

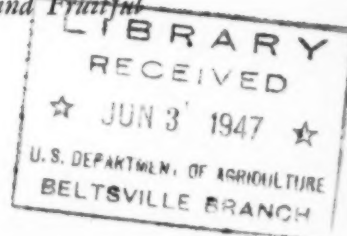
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# AMERICAN NURSERYMAN

*The Nurseryman's Forte: To Make America More Beautiful and Fruitful*

JUNE 1, 1947



*Berberis Circumserrata*

## SEEDS

TREE—SHRUB—PERENNIAL  
FLOWER—VEGETABLE

HERBST BROTHERS  
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Correspondence with seed collectors and growers invited.

Free catalog "Seeds for Nurserymen."

# SUPERIOR QUALITY *and* SERVICE FOR **71** YEARS!

## THANK YOU!

It has been a pleasure to serve you another year. Stocks of some items were still rather short, and we were again forced to allocate available quantities and, in some instances, cancel orders. However, there are definite signs of improvement, and we believe the situation will be better this coming year.

We are happy that our service was better this Spring. With a few exceptions, orders were promptly shipped. The shortage of freight cars is being overcome and L.C.L. freight service is improving. Our service this coming year should equal our high pre-war standards!

It is too early to have definite information about stocks available for the coming year. There should be an adequate supply of some items, but others still will be scarce. In our opinion, it will be to your advantage to order the major part of your requirements this Summer or by early Fall.

E. S. WELCH, President.



ESTABLISHED 1875

# Mount Arbor Nurseries

• SHENANDOAH IOWA •

*One of America's Foremost Nurseries*

E. S. WELCH, President • H. S. WELCH, Vice President • G. L. WELCH, Mgr., Wholesale Sales

# AMERICAN NURSERYMAN

[Registered U. S. Patent Office]

*The Nurseryman's Forte: To Make America More Beautiful and Fruitful*

VOL. LXXXV, No. 11

JUNE 1, 1947

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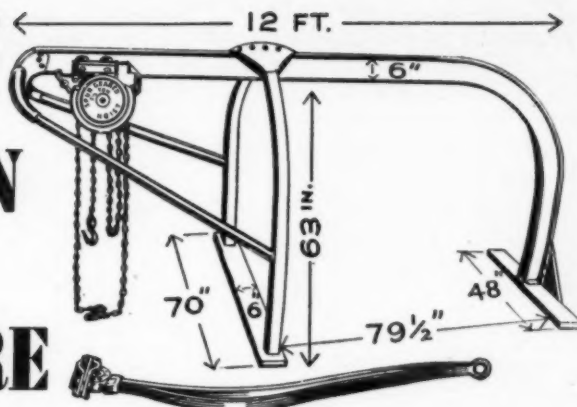


JUNE 1, 1947

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**U.S. WAR SURPLUS**

**TROLLEY CHAIN  
HOIST with  
SUPERSTRUCTURE**



***Ideal for LIFTING, LOADING and  
setting NURSERY STOCK***



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**BRAND-NEW**

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**1½-TON CAP.**

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**WRIGHT or  
YALE HOIST**

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**MOUNTS ON  
ANY TRUCK**

•  
**COMPLETE**

**SAVES TIME AND LABOR**

One man does the work of many! This great lifting, loading and setting hoist is a natural for the nurseryman. Converts any truck for the job. The full 1½-ton spur-gear hoist with its complete superstructure and safety lock is a safe investment for years of money-saving work around the nursery. In this great war-surplus bargain you save one-half the original cost. Satisfaction guaranteed! Order today.

IMMEDIATE SHIPMENT—F.O.B. CHICAGO

**REGULAR \$380.00 VALUE**

**\$184<sup>50</sup>  
EACH**

**IN LOTS OF 3, EACH \$169.50**

**B.M.K. SALES, INC.**

**1718 South State Street  
CHICAGO 16, ILLINOIS**

# AMERICAN NURSERYMAN

F. R. KILNER, Editor

## Editorial

### RECORD WEATHER!

Spring came late this year, with continued cool weather and almost constant rain up to the middle of May over a large section of the country.

Wholesale nurserymen were so far behind in digging evergreens on account of the wet fields that they found comfort in the telephone workers' strike, because customers could not call about their tardy shipments.

Early reports of the retail mail-order houses indicated that buying was slow on account of the wet weather. But the lengthening of the season in which the public could plant brought additional orders that indicated a satisfactory season.

Continuation of low temperatures retarded plant growth so that, while landscape planters had their troubles with the rain, they were able to set out deciduous shrubs and trees later than usual. They report having all the business they can handle.

Record-breaking low temperatures were recorded, the thermometer dipping below the frost level May 10 at Chicago, Cleveland, Columbus, Grand Rapids, Pittsburgh, Buffalo and areas to the north of those cities. West of the Mississippi higher temperatures prevailed. Yet frost did no damage because of the lateness of the growing season. Although frosts were severe in parts of the Michigan fruit belt, trees were so late in budding that no damage resulted.

Then the weather turned, and Chicago experienced a record-breaking 85 degrees May 12, with similarly high temperatures in the same latitude across the central and eastern states. Cloudy and cooler weather followed. Rains were persistent later in the month. In the Chicago area rainfall up to May 18 totaled 14.96 inches, compared with a normal of 10.99 inches. April broke all records for precipitation; 8.33 inches fell in that month, compared with a normal of 2.54 inches.

### GOOD BUSINESS YEARS.

The creaking of business machinery as it undergoes readjustment from the wartime era, accompanied by debate in the public press about whether prices must go up or must come down, is likely to cause unsettlement in the mind of the small busi-

nessman whose contacts do not reach far. Even though he finds business quite good in his own enterprise, he still may have misgivings. So it is reassuring to hear a clear-cut estimate of the business situation.

Predicting that the years 1947 and 1948 would be years of good business even though industrial activity might not hold at its present high level, Cloud Wampler, president of Carrier Corp., addressing the Bond Club at Chicago last month, gave these reasons for his belief:

"First, the accumulated need for goods is far from satisfied. This need is carried over from the war period and is world-wide as well as domestic.

"Secondly, our economy has a great capacity to effect orderly adjustments. Many of these are already under way. Two of the most necessary adjustments are a decline in agricultural prices and a decline in construction costs. If worth-while corrections in these areas can be made during the next six months or so, the economy as a whole has a good chance of holding at a very satisfactory rate.

"A third point is this: Corporations and individuals are relatively free from debt. Farm and home mortgages are not high in amount. Very little credit is tied up in speculation. Stock market loans are negligible. And although inventory loans have expanded considerably, these are being watched very closely, both by managements and commercial banks.

"It seems to me that the absence of debt other than that incurred by government is one of the strongest points that can be made against the possibility of a depression.

"We are not merely in a transition period between wartime and peacetime economics, but are close to a basic shift back toward economic reality," he further explained.

"This change, already under way, is unlikely to be completed without a 'washing out' of prices that are too high, wage levels that are out of line and working philosophies that fall short of our best effort. It is a change that has followed every prolonged boom and every major war. The process will be termed a recession. I think of this recession as a step down from a Federal Reserve Board index of 190 to around 145. Naturally, even that step down will be a bit painful. But it will be exceedingly healthy.

"The setback that I think is probable can be avoided if people will only get to work. Today there is some

evidence that we will. If we do, there won't even be a recession."

### WATCH THE LEDGERS.

If you have not checked over your accounts receivable ledgers for some time, you may be wise to do it now. For several years the trade has had no trouble with credits, for in the flush times even the former slow pay customers paid their accounts promptly. But they have begun to slip again and need watching.

More important are the new accounts, some of which are going to blow up with a bang. The more attention you give your books, and the earlier you do so, the less you will be hurt.

Business records show that the number of failures in the first quarter of this year was more than double that of the corresponding period of last year. The total liabilities of those bankruptcies were nearly four times as large as in the corresponding period a year ago.

More important, the number of settlements and assignments which have been quietly arranged without any publicity has risen sharply, according to credit men.

While failures are still moderate compared with prewar years, they are considerably above the extremely low levels of the war years.

Dun & Bradstreet reported that in the first quarter of this year there were 694 failures with liabilities of \$43,420,000, compared with 258 failures with liabilities of \$11,776,000 for the first quarter of 1946.

The average failure today involves liabilities far exceeding the average bankruptcy in 1940. The liabilities of an average failure in the first quarter of this year were over \$62,000 as contrasted with only \$12,200 in 1940.

Business casualties are apparently moving upward in all fields—manufacturing, wholesaling and retailing.

THE state of Pennsylvania recently acquired the 60-acre nursery of the United States Soil Conservation Service at Howard, Pa. The nursery, fully developed with its own system of overhead sprinklers and packing, shipping and seed extraction sheds, will have a potential annual capacity of from 12,000,000 to 15,000,000 seedlings, giving the state a total potential yearly capacity of 40,000,000 seedlings.

# How Sales Are Lost Every Spring

Last Saturday morning I drove out from my suburban home about ten miles to Blank's Nursery, one of the largest near here. It was uncomfortably cool and damp, but a good day to plant shrubs and evergreens. I thought I should get a couple of dozen to touch up my home plantings while my yardman was there to dig the holes that day.

To reach the Blank's Nursery I drove past a local garden shop which carried garden tools and supplies of every conceivable kind, but strangely stocked only those species of plants which may have been stand-bys once but are generally regarded as out of date now. I rode past a florist with a couple of frames full of packaged roses and a few bare-root shrubs, past a couple of gas stations where plants were drying out fast in a wind-swept spot, which was fine for display but probably fatal to the plants. I drove past those places to Blank's Nursery because a sales lot there contained its own fine shrubs dug the preceding day or purchased stock which was perfectly heeled in. The plants I had purchased there had always thrived. I was a repeat customer and a well satisfied one.

When I drove into the salesyard alongside the highway at 11 o'clock there were a half-dozen persons looking at plants and waiting for attention from the salesmen. These were two gray-haired men who had grown old in the nursery, knew the stock well and were pleasantly informative to the customers. Indeed, to us who were waiting our time they seemed to be too considerate to the uninformed planters. These old fellows were just what the individual buyer wanted by way of service, but from their employer's viewpoint—if he thought about it—they were expensive salesmen.

In an hour's time four persons were served, each buying a pretty good order. I had my turn just one hour and a quarter after I arrived. There were still a half-dozen patient customers-to-be waiting their turn. But not less than a dozen had driven into the salesyard, waited for a time and left impatiently—probably for the other places mentioned above where nursery stock could be purchased.

I had my car filled with stock in twenty minutes. I had mentally selected everything I wanted in the various beds and frames. But the salesmen, by their routine, had themselves to pick out each shrub and

*This letter to the editor from an experienced advertising man not only contains some side lights on nursery salesyard operation from the customer's viewpoint, but offers suggestions on merchandising methods that have practical value.*

then press into place the peat moss or wet shavings about the roots of the plants remaining. After gathering the stock and arranging it in my automobile trunk and back seat, the salesman went into a small office building, ten to twenty yards from the beds, and wrote out a sales ticket, on which he listed each plant by its correct name. This sales slip was a fine thing for the customer, again, but expensive of the boss' time.

I have related the foregoing in detail because it describes an instance of a well meaning firm and well meaning employees operating on a basis which gives satisfaction to the customers who are fortunate enough to purchase the stock, but which falls far short of good merchandising procedure because of the customers lost and the expense of making each sale.

Three or four times as many dollars could have been taken in that Saturday forenoon by a little preparation and a system to expedite the handling of stock.

Printed labels could have been attached to each and every plant in a bed or frame, with the price marked thereon. This could have been done early in the morning before customers came in numbers, or possibly the day before. Then the customers could have helped themselves, carried the bare-root shrubs at least to a sales desk outdoors, paid for the purchase and received a receipt—the work of a moment now with the stock labeled and no need to write down the names. One of the salesmen could have handled this desk to take in the money while the other helped customers carry the balled evergreens to their automobiles and replaced about the roots of the shrubs and trees the peat moss or wet shavings in the frames. Both would have had as much time, if not more, to answer the inquiries of buyers and guide them in their selections where need be.

Upon these things I reflected as I drove home, and my thoughts turned to the merchandising methods at the other places I had passed.

One was Smith's Nursery, where I had never ventured in to make a purchase. A narrow lane with no

sign on it led back to a large barn, behind which were heeled in rows of shrubs. I had long thought that this nursery did a landscape planting business only, but not handling cash-and-carry trade, until a neighbor informed me that if one drove in back of the red barn he would find some of the finest stock grown in these parts. I wondered how many potential customers drove past without ever knowing that, as I had done.

As I passed the gas stations, I lamented that wholesale nurserymen should take the trouble to grow and sell fine plants and then let their value to the ultimate consumer be depreciated to so large an extent by improper handling. Balled evergreens and bare-root stock alike were placed where they were conspicuous to those passing on the highway, but equally accessible to the wind, a drying agent even on a cool and damp day.

At the florist's and at the garden shop I found plants that evidently had been purchased from a distant source. They were individually labeled and some of them individually wrapped. But they were not individually marked as to price, and they were thrust together tightly in a couple of beds. So a young man was required to haul out any bush that was wanted and to indicate the price. No facilities for wrapping were provided; the young man laid some newspapers on the ground, and we managed to put this protection about the roots with a piece of twine.

These latter nursery sales outfits were conveniently located, but the stock offered was of antiquated varieties. Such species as *Spiraea billiardi* or *thunbergi* were not to be had—only *vanhouttei*, *froebeli* or *Anthony Waterer*. Silver maples and Lombardy poplars seemed to be the extent of the assortment in shade trees. Apple trees there were, why I do not know, except for planting by those suburbanites who know no better than to be satisfied by the other trees offered.

The past spring in this section of the country has been a long one. I understand the nurserymen have had their trouble digging stock, and I suppose they have had trouble getting their planting orders done between the rainy days, also. But I have observed that the labor crews are handled most systematically and expeditiously. Work is laid out and full value is sought for each hour's time of the workman. Why, I wondered, is not the same effort made for efficiency in selling stock? The neglected



nursery salesyard is just as surely wasting the owner's dollars as workmen who might be standing about.

The prolonged season gave suburbanites like myself weeks in which to buy and plant stock. Usually they swarm out on two or three moderately warm Saturdays, and then the spring is over.

Finally, I wondered why mail-order nurserymen had so successfully capitalized on the gardening public's desire for something new, while the nursery salesyard frequently was not even up-to-date. Most mail-order nurserymen feature in their catalogs one or more new things each season. They pay much attention to these headliners and find them a source of many inquiries and orders.

Why could not the salesyard similarly attract buyers? This could be done merely by a sign reading: "Just received: 200 Weigela novelti. First time offered. One to a customer!" Or if local advertising were desired, what better headlines could be used in a local newspaper advertisement or in a mailing piece?

With the American public again able to motor where and as much as it wishes, gardeners will resume their age-old desire to see the plants and pick them out for themselves. The local cash-and-carry nursery has an opportunity that apparently few have realized. Merchandisers in other fields are taking advantage of the self-service idea and accompanying procedures in getting merchandise into the public hands quickly and easily. On that basis volume may be built. Don't you think there is a similar opportunity in the nursery field?

#### JESSE BREEDLOVE, SR.

Three prominent positions in nursery trade associations are currently being held by Jesse Breedlove, Sr., owner of Breedlove Nurseries, Tyler, Tex. His election last August to the presidency of the Texas Association of Nurserymen climaxed previous recognition of his leadership when he was elected vice-president of the Texas Rose Research Foundation and a member of the executive committee of the American Association of Nurserymen.

Jesse Breedlove is the son of Texas parents and has always resided in that state. Born near Bellville and reared at Huckaby, where he received his formal education at Huckaby Academy, he moved with his family to Tyler in 1913. The following year he married Leta Stallings, and five boys and two girls have been reared by Mr. and Mrs. Breedlove. Four

of the seven children are now associated with their father in the nursery business, and two are studying at Texas Agricultural and Mechanical College.

Jesse Breedlove planted his first nursery stock in 1927. A good deal of his attention is currently devoted to the production of new types of roses and nut and fruit trees. He has developed some special varieties of pecans and a black walnut with a thin shell which, when cracked, permits the nut to come out in halves. He is now working on a large Arkansas freestone peach.

#### GEORGIA MEETINGS.

The tenth annual meeting of the Georgia State Nurserymen's Association was held May 6 in Georgia chapel, immediately following the sixth annual conference for landscape nurserymen, landscape contractors



Jesse Breedlove, Sr.

and nurserymen, held May 5 at the landscape architecture building, University of Georgia, Athens. The conference is yearly sponsored by Hubert B. Owens, head of the department of landscape architecture at the university.

Elected to serve as officers of the Georgia State Nurserymen's Association for the ensuing year were H. A. Sneed, East Point, president; John B. Wight, Cairo, vice-president, and Tom O. Fleming, Atlanta, secretary-treasurer. Charles Morse, Chattanooga, Tenn., and Aubrey Owen, Gay, Ga., were elected to serve with the officers on the executive committee.

One of the enjoyable features of the conference was a buffet luncheon at the landscape architecture building, where an exhibition of landscape plans was on display. About 100 persons attended the luncheon and also

inspected the lovely Founders' memorial garden surrounding the building. The garden was at its peak of bloom. Later that day the nurserymen unanimously voted to supply all trees and shrubs for additional plantings in this project.

Speaking at the opening session, Samuel P. Snow, instructor in the department of landscape architecture, University of Georgia, outlined "A Suggested Program for a Landscape Management Service." Mr. Snow said that maintenance service is receiving increased attention from those engaged in the nursery trade. Mr. Snow's address appears in full on the opposite page.

Concluding the morning program were talks by G. Ellwood Allen, recreational planner, New York, N. Y., and by G. Robert Derick, landscape engineer of the Georgia state highway department.

In the afternoon C. H. Alden, director of the Georgia department of entomology, talked on "The White-fringed Beetle as It Affects the Nursery Business in Georgia." Mr. Alden told the life history of the white-fringed beetle and illustrated his talk with specimens. On a map he pointed out the quarantined areas in the state of Georgia. Following a brief resume of provisions of the state and federal quarantines on this insect, he listed the infested and restricted nurseries and greenhouses. He described the procedures nurserymen will have to follow, including treatments, to control this pest.

Dr. B. B. Higgins, botanist at the Georgia state experiment station, Experiment, spoke of "Virus Diseases of Stone Fruits." Speaking on "Soil Analysis and Its Relation to the Use of Fertilizer," John L. Cope, vice-president of the Reliance Fertilizer Co., Savannah, told of the history of soil analysis and the influence of soil analysis on fertilizer usage and showed why soil analysis is important to nurserymen.

Speaking on "Nurserymen's Responsibilities," Donald Hastings, of H. G. Hastings Co., Atlanta, said: "The nurserymen of Georgia, as well as of the country as a whole, have a definite responsibility that we must accept if we accept the privileges and opportunities of our system of government and economy. These responsibilities involve the growing, offering and planting (where such services are involved) of good-quality nursery stock, and up-to-date varieties suited for the customer's needs, with much free advice, so that the customer will have success with his plants."



# Program for Maintenance Service

By Samuel P. Snow

Today a number of fine concerns are carrying on a thriving landscape management service. A good many of these had a humble beginning, being literally started in a wheelbarrow. The wheelbarrow was used to carry the lawn mower, rakes, brooms, shears and other maintenance implements from house to house.

Maintenance work is not generally contracted for by the hour, but for a weekly, monthly or sometimes even an annual fee. Lawns are mowed, renovated, fertilized and watered; trees and shrubs are pruned, fed and sprayed as needed; gardens are maintained and rehabilitated. By acquiring a number of clients within the same proximity, fees charged can be made much lower than when one isolated patron is served. A good-looking printed announcement sent out to a carefully selected mailing list often brings the first clients. Sometimes a personal call describing your services obtains the same results.

One phase of such a service I know has many possibilities. This is a service in which plants are rented to a client for special occasions or for a short duration of time. Mrs. Jones, for instance, is having a tea on a certain afternoon and calls the "Ever-ready Nursery Service" a week or so in advance to reserve some flowering plants. A few hours before the occasion the nursery delivers several tubbed specimens of camellias or azaleas in full bloom or perhaps a boxwood or two. One or two are placed in strategic places on the terrace, maybe another beside the front door. The next morning the company picks up the specimens and returns them to the nursery. Possibly Mrs. Jones has taken a fancy to one of the camellias, however, and convinces her husband that this particular specimen ought to be set out in her garden permanently.

I know another woman for whom a landscape architect designed a most attractive courtyard garden. There is a picturesque *Prunus theifera* over in one corner of the courtyard and on the opposite wall, the beautiful tracery of Low's ivy. A nursery has an annual contract with this woman to supply and rotate the other planting arrangements which are of a temporary nature.

In the late autumn or early winter the brilliant berries of a firethorn in espalier form are accented against the wall. You would not know, unless

Landscape maintenance service is receiving so much attention from the trade, especially from small operators and newcomers to the nursery business, that timely and valuable information will be found in this talk presented by Samuel P. Snow, instructor in the department of landscape architecture at the University of Georgia, before the sixth annual conference for landscape architects, landscape contractors and nurserymen at the University of Georgia, May 5.

you looked closely, that this shrub was growing in a box recessed temporarily in the flagstone terrace floor. On another occasion a handsome tubbed specimen of nandina with its clusters of scarlet berries stood by the door. I remember at another time how cool and gay a tub of blue delphinium looked in the same location on a hot spring afternoon.

Is it any wonder, when you hear me mention these things, that maintenance service is receiving increasing attention among those engaged in the nursery trade, that such a program makes a contribution to community life and culture just as much as a beautiful planting or a symphony? Not only that, but from an economic standpoint, also, such a program benefits the community. During slack seasons, company personnel can be shifted to maintenance operations and so provide year-around employment for all. This in turn increases the income received by the organization and its personnel, whose purchasing power is again distributed in the community.

## Formulating a Program.

A good many years ago at Massachusetts State College, Professor Dickinson, then professor of horticulture and now one of the country's foremost professors of agrostology, conceived and taught a course in what he called "grounds maintenance." This course was and is, in its new form, a required course for all students majoring in horticulture in the Stockbridge School of Agriculture. The Stockbridge School of Agriculture is a 2-year school which offers to young men and women, 17 years and older, a practical noncollegiate curriculum, preparing them for a vocation in the broad field of agriculture.

While I was teaching at Massachusetts State College we developed this

course further, and last autumn introduced a similar course in the department of landscape architecture here at the University of Georgia. Since then I have given the matter considerable attention and perhaps can offer some practical suggestions for what I call "landscape management." I say "management" rather than "maintenance" because management means more than just maintenance. As I understand the word, maintenance means upkeep. Management, on the other hand, means more than upkeep; it implies conduct, control, direction and administration.

In my first lectures I try to stress to students the need for such a course as we are offering. I raise the questions, "If we, as landscape architects, are called in as consultants to advise on methods for maintaining institutional grounds or restoring an estate, how are we to suggest the proper procedures if we do not know something about the basic principles and practices of horticulture, know something about how plant materials grow and the soil in which they flourish? When our designs or recommendations are being executed for a college campus or a municipal park, do we know enough about what is going on to supervise the work or pass upon its completion?" We attempt to find the answers in our course through readings, lectures, discussions and practical laboratory exercises. Using this course as a foundation, then, this is the way a landscape management program is formulated.

First, select an area for which a program is to be outlined—an estate or the grounds of a clubhouse, for instance. Next, list the elements of maintenance for this area. To illustrate, some of these items would include roads and walks, lawns, trees and shrubs, and gardens. Under gardens, of course, there are many kinds. These can be listed separately—perennial gardens, rose gardens, evergreen, water, cutting or rock gardens.

Under each separate element—a rose garden, for example—make a complete inventory of all the equipment needed to carry on the maintenance work in that unit for a year. If you are fortunate enough to have a contract to maintain the town's municipal rose garden, you have a

[Continued on page 36.]

# Coming Events

## MEETING CALENDAR.

June 5 and 6, Eastern Region Mail Order Nurserymen's Association, Bellevue-Stratford hotel, Philadelphia, Pa.

June 9 and 10, Alabama State Nurserymen's and Florists' Association, Auburn.

June 17 and 18, American Peony Society, Horticultural Hall, Boston, Mass.

June 19 and 20, National Mail Order Nurserymen's Association, Hotel Sherman, Chicago, Ill.

July 21 to 24, American Association of Nurserymen, Statler hotel, Boston, Mass.

August 6, Pennsylvania Nurserymen's Association, Fairview Evergreen Nurseries, Fairview.

August 12 to 14, Virginia Nurserymen's Association, George Mason hotel, Alexandria.

August 13, Connecticut Nurserymen's Association, Lake Compounce.

August 14, Indiana Association of Nurserymen, Ernst Nurseries, Muncie.

August 18 to 22, National Shade Tree Conference, Hotel Cleveland, Cleveland, O.

August 28 and 29, Ohio Nurserymen's Association, Mansfield-Leland hotel, Mansfield.

September 3 to 5, Texas Association of Nurserymen, Galvez hotel, Galveston.

September 29 to October 1, California Association of Nurserymen, U. S. Grant hotel, San Diego.

October 23 to 25, American Horticultural Council, Hollenden hotel, Cleveland, O.

## EASTERN MAIL-ORDER PLANS.

A 2-day meeting of the Eastern Region Mail Order Nurserymen's Association is scheduled for June 5 and 6 at the Bellevue-Stratford hotel, Philadelphia, Pa. Meetings will start at 9 a. m. both days, and after luncheon has been served in an adjoining room, afternoon sessions are planned.

## MAIL-ORDER CONVENTION.

A thorough survey of the mail-order nursery business for 1948 will be conducted at the annual meeting of the National Mail Order Nurserymen's Association, June 19 and 20, at the Hotel Sherman, Chicago, Ill. B. W. Keith, secretary-treasurer, reports that plans are going forward to insure one of the largest, most interesting and beneficial meetings of the association.

## ALABAMA CONVENTION.

The third annual convention of the Alabama State Nurserymen's and Florists' Association is scheduled for June 9 and 10, at Auburn, Ala.

At the opening session Richard H. Jones, Nashville, Tenn., president of the American Association of Nurs-

erymen, will speak on activities of the association. Homer S. Fisher, extension specialist at the Alabama agricultural experiment station, Auburn, will give a talk on landscaping, and R. W. Pearson, of the station, on fertilizers. Participating in the design school will be J. A. McKinstry, McKinstry's Flowers, Inc.; L. L. Aldridge, Bessemer Floral Co., and Harry Carr, Carr Floral Co., all of Birmingham. The banquet speaker will be Donald Hastings, H. G. Hastings Co., Atlanta, Ga., who will speak on "The Responsibility of the Florist and the Nurseryman."

"White-fringed Beetle Control" will be the subject of a talk by L. J. Padgett, of the United States Department of Agriculture research program in Alabama, on Tuesday's program. A Technicolor film of the Alabama experiment station will be shown, and ornamental horticulture



"Ain't it about time we planted that nursery stock?"

in Alabama will be discussed by L. M. Ware, head of the department of horticulture and forestry, and E. W. McElwee, associate professor in the department of horticulture and forestry, Alabama Polytechnic Institute.

## PENNSYLVANIA MEETING.

The summer meeting of the Pennsylvania Nurserymen's Association will be held at the Fairview Nurseries, Fairview, Erie county, Pennsylvania, August 6. Headquarters will be at the Hotel Lawrence, at Erie.

Nurserymen in general are invited to attend the meeting, but they are requested to make their room reservations as soon as possible direct with the hotel, states Albert F. Meehan, secretary.

Those who contemplate attending should write Reed Anschutz, man-

ager of the Hotel Lawrence, Erie, Pa., and state that they will attend the nurserymen's meeting, as no other reservations will be accepted by the hotel for that date.

## PLAN TEXAS CONVENTION.

Last month President Jesse Breedlove, Secretary-treasurer Murray P. Ramsey, E. W. Bradshaw and Clark Kidd met at Galveston to make plans for the convention of the Texas Association of Nurserymen which is to be held September 3 to 5 at the Galvez hotel, Galveston.

The program for the 3-day convention will be enlivened by such noted educators and speakers as Richard P. White, executive secretary of the American Association of Nurserymen; Dr. Eldon W. Lyle, plant pathologist for the Texas Rose Research Foundation, Inc.; Dr. L. C. Chadwick, department of horticulture of Ohio State University, and Dr. S. H. Yarnell, chief horticulturist of Texas A. & M. College.

The convention will be welcomed in an address by the mayor of Galveston, to whom Steve Brady, of Fort Worth, will respond. The banquet program, it is rumored, will be held by Tyler nurserymen as a tribute to the high achievements of President Breedlove.

Mr. Bradshaw, of Galveston, is general chairman of the convention, and Steve Verhalen, Scottsville, is publicity chairman. Mr. Verhalen will also be in charge of advertising space in the convention program and of exhibit space at the hotel.

Unlimited display space will be available to those who wish to exhibit their products. The display room in the lobby, the dining room, convention hall and other facilities of the hotel are all on the ground floor and will be the center for the activities of the members and visitors while in the city. Chemical companies will have their representatives on hand to demonstrate products and will explain methods of soil fumigation to control nematodes. Landscape artists will show modern homes in miniature with complete landscaping. Specimen plants will be exhibited to the trade and to the public.

F. AUSTIN SWARTWOUT, JR., who offers general landscaping services at Bethesda, Md., has set up his own nursery business by affiliating with Poulton's Nursery, Wheaton, Md. He has been engaged in nursery and landscaping work for the past five years and was formerly employed by Stock Bros., Inc., and Daniel C. Tolson, both of Bethesda.

# Comments on Holly Species

## PART II.

By Gustaf E. Malmberg

*Ilex crenata* is rich in varieties and is a useful plant for landscape purposes in general. It is also a good hedge plant, requiring a minimum of attention. I like *Ilex crenata*, too, in a foundation planting, or as a background for perennials.

*Ilex crenata* was first introduced in Europe in 1864 by the collector Maximowicz and is the most common of all the Japanese hollies in its native land, in both wild and cultivated forms. It usually grows as a small shrub four to five feet tall, but in Japan it may be seen as a little tree up to twenty feet high. This variety is often used for dwarfing by the Japanese artists. The flowers on this species are whitish and borne in profusion, and the berries are black.

Of the many varieties of the *crenata*, the one with the largest leaves is *Ilex crenata major*, or as it is more often called in the trade, *fortunei*. Then there is *latifolia*, also with rather big, but more elliptic, leaves. Another one with leaves as large as *macrophylla*. One which can never be mistaken is *convexa*, or as it is often called, *bullata*. It is small-leaved, and the shrub is closely set with leaves which are oval and convex above and concave below. There is also an upright form of *Ilex crenata convexa*. The varieties *myrtifolia*, *microphylla* and *nummularia* are all small-leaved varieties with a close compact growth. The forms *helleri* and *Kingsville* and variety *Glass* are really dwarf and compact, adding only a few inches of growth each year.

A hybrid between *Ilex cassine* and *Ilex opaca*, *I. attenuata*, is an interesting plant, but one that is irregular of growth. Trimming and shaping are necessary for a good specimen. The leaves are either entirely without spines or there are minute ones toward the apex. These leaves are ovate, lanceolate, two to three inches long and about three-quarters of an inch wide at the widest point. The leaves are dull and somewhat yellowish-green. It is no plant for a commercial enterprise, but an interesting one for the connoisseur.

Another holly in a class with *attenuata* is *latifolia*, the Tarajo in Japanese, or in plain English, the magnolia-leaved holly. Professor Sargent once stated that *Ilex latifolia* was one of the handsomest trees growing in Japan. It is common only

in the southern part of the islands and was first introduced to Belgium in 1840. We have it growing outdoors at Elizabethtown, but I should hardly consider it hardy, and I always keep a few plants in cold-frames, because we do not know if winter weather may destroy it completely. It is a fine plant south of Washington, D. C., but with me it is a problem. The leaves are bold, broad, lanceolate, six to eight inches long and shallow-toothed. The berries are said to be ornamental and of a red color, but I have to take somebody else's word for it, because my plants have not flowered yet, and maybe they never will while they are outdoors.

It is hard to believe that *Ilex pedunculosa* is an evergreen holly, because it looks more like any deciduous shrub in summertime, especially like a *viburnum*. It is a native of China and Japan. This species grows twenty to thirty feet high and has oval or elliptic leaves, entire and mostly without any serration. Its fruits, as large as those of *aquifolium* and of a bright scarlet color, are borne singly on long thin stems. It is a most striking shrub in full berry, one you will always remember after seeing it once.

Other hollies that do not look like hollies are *Ilex purpurea* and *Ilex purpurea oldhami*. They look more like cherry laurel or *phillyrea* than holly. *Ilex purpurea oldhami* is a strong grower; our plant this year grew over two feet high, and just the same it is thoroughly ripened. It is a fine-looking plant, eight to nine feet high and rather bushy, but this variety usually requires trimming to shape it up into a really good specimen. However, as far north as Elizabethtown it should be trimmed only in spring, because the winter sometimes does the trimming for you, and the only extra trimming necessary is removal of the parts that are hurt by the frost. As may be realized, this plant is recommended for zone 7, and Elizabethtown is in zone 5 or 6. The *Ilex purpurea* grows to be twenty-five to thirty feet high at best. Leaves are obovate-oblong, four to six inches long, light green on top and whitish underneath; the edge is crenate serrulate with a leaf stem of one-quarter to one-half of an inch long. The fruits are red and oblong, and several appear on a slender stem. The species *purpurea* has been

in cultivation since 1900; so it is not an old plant. It comes from China and Japan.

*Ilex corallina* is not well known, and I have not had it long myself. The leaves are lanceolate, up to four inches long and one to one-half inches wide. The edges are wavy-toothed, with the spines in every direction; some are even turned backward. The berries are small, red and borne together in little clusters. This species comes from Hupeh province in China.

We have a few other hollies of lesser importance at Elizabethtown; for instance, *Ilex cassine*; *Ilex integra*, which is not at all hardy with me; *Ilex perado*; *Ilex perado maderensis*; *Ilex altaclarensis*, a hybrid between *aquifolium* and *perado*, and several others.

### *Ilex Opaca.*

The most important of the hollies in North America is, of course, *Ilex opaca*, the American holly. Only in recent years has any interest been shown in the variation in the American holly. At present we have almost 100 named varieties, but I do not mean to imply that they are all worthy of separate names. Many of these are nothing but ordinary *opaca* hollies which soil conditions have changed in such a way that the plants seemed sufficiently different to justify different names. But when these same hollies are planted under normal soil conditions, they look normal; that is, like ordinary *opaca* again. It is, of course, difficult to say which plants are really worthy of names if they are not growing together under the same soil and climatic conditions. That is why I have started to collect all the varieties of American hollies. Ernest C. Clark, of Appalachian Gardens, Glade Spring, Va., and his partner in South Carolina are doing the same thing, and they already have a wonderful collection. Other persons interested in American hollies of whom I know are Earle Dilatash, Real Farm Market, Robbinsville, N. J.; Clarence Wolf, of New Jersey, and the Silica Sand Co., Millville, N. J. In addition, there are undoubtedly many of whom I do not know.

At the present time I shall not attempt descriptions of the different varieties of American hollies, because most of my plants are not big

[Continued on page 47.]



# Prize Designs of Small Home Grounds

The artistic and clearly detailed plan for the Cape Cod style home in zone 3, which is shown on the opposite page, won an honorary award for its designer, Julian Schmitz, Watertown, Conn., in the competition for the designs of small home grounds sponsored by the American Nurseryman and the National Landscape Nurserymen's Association. Mr. Schmitz' plan for a colonial house in zone 3, which was the prize-winner in that division, was reproduced with

his comments in the February 15 issue of the American Nurseryman, and his plan for a ranch style home in zone 3, which merited another honorary award, will be reproduced in a subsequent issue.

With this home so placed on the lot that sizable yard space is provided in both the front and rear of the building, as well as a lengthy strip along the driveway, it is possible to plan a number of attractive landscape designs around this small home in

which a variety of plant material may be used. The plan calls for both flower and vegetable gardens as well as landscaped play and service areas.

Zone 3, for which this plan was designed, is comprised by the southern New England states, Pennsylvania, the states bordering the Ohio river, parts of Missouri, Arkansas, Oklahoma, Texas, New Mexico, Arizona, Utah and Nevada, as well as the western sections of Oregon and Washington.

## CAPE COD STYLE HOUSE, ZONE 3.

The Cape Cod house shown in this plan is typical of many of the small homes seen along the outskirts of our cities. It is a typical American home, and as such, the development of the grounds must allow the owners to enjoy the benefits and pastimes which have become recognized features of most properties.

The house is located on a fairly level lot, 60x150 feet, so that little grading is needed. On this lot the house is placed approximately thirty feet from the front property line, so as to provide for a fairly usable area at the rear. A white picket fence is a usual addition for a Cape Cod house, and an appropriate place for this fence is along the front and sides of the house, as shown. The small width of the lot does not allow too much space for border plantings along property lines near the house, and the fence answers the need for some feeling of ownership. The enclosure formed by the fence at the left side makes a likely play area or herb garden. The planting along the front is sparse and carefree.

At the rear of the house much thought was given to the arrangement of the different features that are desired in our gardens today. A "Y" turn, or back-around, is always desirable if it can be worked into the scheme, because it allows the owner to approach the traveled road directly. With this arrangement in the plan, the several features of the yard are accordingly brought into view.

Off the living room there will be desired a flagstone terrace where the family may sit in the evening with the setting sun at its back. The service necessities, such

BY JULIAN E. SCHMITZ, WATERTOWN, CONN.

as clothes reel and sunken garbage can, are placed near the kitchen door. Beyond the flagstone terrace a small grass panel extends to meet a low retaining wall, in which a step carries one up to the picnic area and on to the vegetable garden. The view from the terrace takes in the flower border at the right and the hedge planting at either side and is terminated by the raised birdhouse above the white picket fence, which is a shield for the vegetable garden. Roses are trained on the fence. The rear property line is bounded by a board fence approximately six feet high. This fence also extends along part of the rear right property line, making a neat enclosure with maximum room space within. An apple tree graces a corner of this rear yard.

The picnic terrace should afford the owner many hours of enjoyment. There is a wide choice for materials to be used for the terrace, but native flagstone laid with tight joints, in random patterns, is a serviceable and attractive material. The fireplace may be built for picnic use as well as for a handy place to burn refuse.

Plant selections are from a recognized list of hardy, attractive species, planted so as to give privacy as well as an interesting arrangement. Compactness is a worthy feature in the small home grounds; isolated groups or groupings scattered around the premises only mar the scenery and detract from the feeling of repose so much desired in the development of home grounds. A group of plants should have a reason for being, such as to separate garden areas, screen an undesirable feature or attract attention to some object. Julian E. Schmitz.

## CORNELL SUMMER COURSES.

The department of floriculture and ornamental horticulture at Cornell University, Ithaca, N. Y., is offering a summer session, July 1 to August 9, of seven courses that will be of interest to nurserymen and those who wish training in plant materials and landscape work. Courses are to be under the following headings: Elementary floriculture, a nonmajor course for those who wish a practical knowledge of the culture and use of plants; flower arrangement, the study and practice of the principles and methods of arranging flowers; herba-

ceous plant materials, a study of the ornamental herbaceous plants used in landscape and garden planting; woody plant materials for landscape planting, a study of the characteristics and requirements for trees, shrubs and vines for landscape planting; landscape construction, a course for landscape majors; garden planting and maintenance, the growing, transplanting and maintenance of garden flowers, trees and shrubs, and special problems, an opportunity for qualified students to work out design problems under direction.

The tuition for the six weeks' summer session is \$60, plus \$5 health and

infirmary fees. Living accommodations are available in the dormitories. Those interested should write to the summer session office, Goldwin Smith Hall, Cornell University, Ithaca, N. Y., asking for the summer session catalog.

AUGMAN & MORRA, landscaping and tree surgery firm, of Bronx, N. Y., are starting a nursery this spring.

AFTER five years of military service, C. W. Harris is starting in the nursery business as Harris Nursery Sales, at Painesville, O.



## LIST OF PLANTS

## TREES

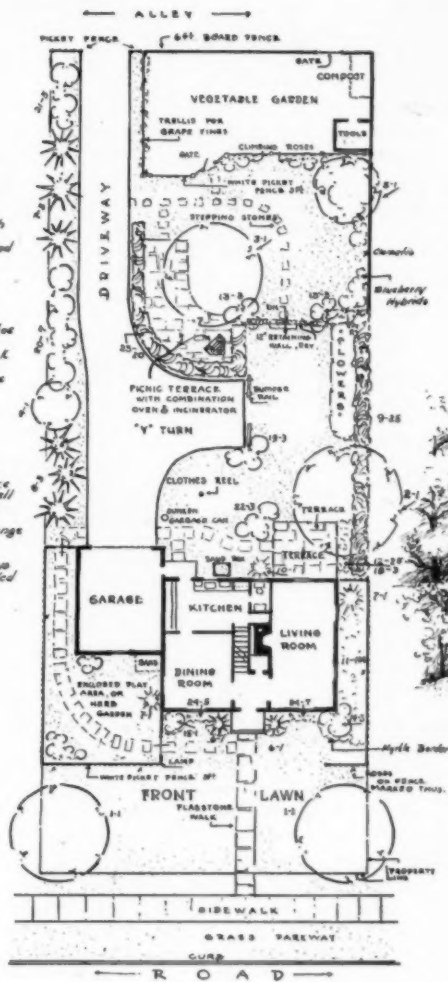
KEY	BOTANICAL	COMMON NAME
1.	<i>Acer saccharum</i>	Sugar Maple
2.	<i>Sorbus vacuaria</i>	European Mt. Ash
3.	<i>Quercus palustris</i>	Pin Oak
4.	<i>Cornus Florida</i>	Flowering Dogwood
5.	<i>Malus</i>	Choice of Apple

## EVERGREENS

6.	<i>Taxus media holcoides</i>	Half-Hill Yew
7.	<i>Thuja occidentalis</i>	American Arborvitae
8.	<i>Pinus strobus</i>	White Pine
9.	<i>Thuja canadensis</i>	Canadian Hemlock
10.	<i>Taxus capitata</i>	Upright Yew
11.	<i>Podocarpus</i>	Oriental Spurge
12.	<i>Wince minor</i>	Myrtle
13.	<i>Salix latifolia</i>	Mt. Laurel

## SHRUBS

14.	<i>Syringa hybrida</i>	French Lilac
15.	<i>Syringa perovica</i>	Persian Lilac
16.	<i>Cytisus japonica</i>	Flowering Quince
17.	<i>Foraythia speciosa</i>	Shaw's Golden Bell
18.	<i>Azalea mollis</i>	Chinese Azalea
19.	<i>Cotoneaster divaricata</i>	Cotoneaster
20.	<i>Philadelphus virginica</i>	Original Mock-orange
21.	<i>Viburnum coccineum</i>	White-red
22.	<i>Coryanthus Florida</i>	Sweet Shrub
23.	<i>Econymus elatus</i>	Angled Eucymus
24.	<i>Thierbunde roses</i>	In varieties, peeling



VIEW FROM HOUSE TERRACE

## PLANTING PLAN

SCALE



CAPE COD STYLE

ZONE NO. THREE

## AMERICAN ASSOCIATION OF NURSERYMEN

**RICHARD P. WHITE,**  
EXECUTIVE SECRETARY



636 SOUTHERN BLDG.,  
WASHINGTON, D. C.

### CONVENTION DIVERSIONS.

The seventy-second annual convention of the American Association of Nurserymen at Boston, July 21 to 24, will be far from mere business, according to present plans, as announced by Joseph Chesnicka, of the Chesnicka Landscape Service, Westfield, Mass., chairman of the special "Clam Diggers' Den." This will be something new, he says. A large ballroom of the Hotel Statler will be transformed by Seth Kelsey, of the Kelsey-Highlands Nursery, East Boxford, Mass., decorations chairman, into a more or less exact facsimile of a combination clam digger's shanty and lobsterman's boudoir. Lobster pots, fish net trawls and seines, cod lines, clam hoes, buoys, channel markers and all the other apparatus used by the hunters of the succulent clam and the orchidaceous lobster will be massed appropriately in the ballroom to give a real down east twang to the air.

The able committee, including Jack Brownell, Jac Bulk, Eugene Muller, Louis Wissenbach, Fred Noble, Joel Barnes, Peter Van Melle, Valteau C. Curtis, Howard Maloney, Harold Thurlow and Lou C. Schubert, will be on deck to see that there is never a dull moment. The Clam Diggers' Den, where appropriate refreshments will be available, will be the center of all social activities—dances, concerts and the like—as well as a dim and dusky place with port and starboard lights where everyone can relax after the business meetings.

But this is only the beginning. For practically every day, the entertainment committee, headed by Richard M. Wyman, Jr., of Wyman's Framingham Nurseries, Framingham, Mass., has something planned. For example, a steamship has been chartered for a moonlight sail around the harbor and for a shore dinner. Then, since Boston is one of the nation's greatest historical shrines, special busses have been chartered to visit such places as the site of the Boston tea party; Bunker Hill; the old North church, where Paul Revere's midnight ride did not begin; Faneuil Hall, the cradle of Liberty, and the Old Statehouse, where royal governors plotted 200 years ago. And modern Boston, the Hub of the Universe, has

not been forgotten. It has a multitude of famous institutions and museums to visit, not to forget the glass flowers at Harvard University, the blue windows of Beacon street, the navy yard and, of course, the world-famous Arnold Arboretum.

The business meetings, of which Donald D. Wyman, Bay State Nurseries, North Abington, Mass., has arranged plenty, as executive chairman, will be scheduled between these various trips and entertainments. All in all, the committee is determined to make the Boston convention one for the book.

William H. Clark,  
Publicity Committee.

### PLANT LAW AMENDMENT.

Backed by the American Association of Nurserymen and a number of other organizations, the bill before Congress to amend the plant quarantine act of 1912, known as S-338, was expected to have fairly smooth sailing through Congress until it was passed by the Senate, as reported in these columns May 1, with an amendment so as to include bulbs along with nursery stock. The situation with regard to the bill, which is now pending before the committee on agriculture and forestry in the House, has become quite different, as explained in a recent A. A. N. news-letter by Executive Secretary R. P. White.

"Since the Senate passage of the bill in amended form, the bill has been changed from a noncontroversial bill, to which little opposition was expressed, to a controversial one, with the Departments of State and Commerce, the garden clubs and some members of the trade objecting to the amendment; from a bill which, from all indications, was scheduled to pass without objection, to one which, if passed in its present amended form over the objections of State and Commerce, will receive, we believe, a presidential veto. It is a question, as we view the situation that has developed, of legislation applying to nursery stock only, without the inclusion of bulbs, or no legislation at all during this session of Congress. It is an accepted fact that unlimited importations of nursery stock constitute a serious pest risk to all American agriculture and forestry. No one has successfully maintained otherwise.

## AMERICAN NURSERYMAN

On the other hand, the pest risk involved to American agriculture by unlimited importations of bulbs is a moot question, the argument covering a span of many years and still going on.

"There are those who feel that S-338 will prohibit the importation of nursery stock (and bulbs as it is now amended), except that needed for propagation purposes, immediately upon passage. This is not so. The bill authorizes such limitation; it does not make it mandatory upon the Secretary of Agriculture. Limitation can be made only by issuing rules and regulations. Under section 4 of the administrative procedures act (public law 404, 79th Congress), due notice must be given before any rule and regulation can be promulgated, so that any person may be heard in writing, by counsel or in person.

"S-338 is not legislation on a new subject. It is an amendment to the plant quarantine act of 1912 and as such, if passed, it becomes a part of that law. It will not annul any part of the old law, which was originally enacted to protect American agriculture, horticulture and forestry from plant pests that might be introduced on plants and plant products."

### MORE FREIGHT CARS.

A desperate shortage of freight cars which has persisted since the war years is being alleviated by increased production of new equipment. The roads still are retiring old, overage cars faster than they are getting delivery on new ones, but railroad men now say that the turning point—at which new deliveries will outnumber junkings—will come by midsummer at the latest and may possibly arrive earlier. Production of railroad freight cars rose thirty-six per cent from February to March and jumped an additional fifty per cent during April.

RECENTLY a landscape architect with the United States Army Engineers building and landscaping army airfields, Hirsh Touff is again in business for himself and is located at 108 Riverbend drive, Dayton 5, O.

DONALD WHITE, formerly manager of the Des Moines, Ia., branch of the Henry Field Seed & Nursery Co., who recently purchased the Rose Hill Nursery, Panora, Ia., from Mr. and Mrs. Fred Jackley, has opened a retail store at Des Moines under the name of Rose Hill Nursery. In addition to nursery stock and farm and garden seeds and equipment, poultry and pet supplies are handled.

# FLOWER SEEDS — HERBST BROTHERS

92 Warren St., New York 7, N. Y.

<b>ACHILLEA</b>		
millofolium Kelwayi, delicate-rose	1/4 oz.	\$0.40
<b>ACONITUM</b>		
lycotonum, cream, Wolfbane	1/4 oz.	.40
Napellus, blue	1/4 oz.	.25
<b>AGROSTEMMA</b>		
coronaria, Rose Campton, violet	1/4 oz.	.25
coronaria atrosanguinea, deep red	1/4 oz.	.25
<b>ALYSSUM</b>		
montanum, yellow	1/4 oz.	.30
saxatile compactum Gold Dust	1/4 oz.	.25
<b>ANCHUSA</b>		
italica (azurea) Lissadel	1/4 oz.	.25
italica (azurea) Opal	1/4 oz.	.25
<b>ANEMONE</b>		
coronaria Queen, blue or deep scarlet	each 1/4 oz.	.35
myosotidiflora, df., bright blue	1/4 oz.	.60
<b>ANTHEMIS</b> Kelwayi, yellow	1/4 oz.	.25
fractoria Golden Marguerite	1/4 oz.	.30
<b>AQUILEGIA</b> alpina, blue	1/4 oz.	.30
clemeatiflora	1/4 oz.	.70
vulgaris, single mixed	1/4 oz.	.25
<b>ARABIS</b> (Albida)		
alpina, lg. fl. rose	1/4 oz.	.40
ARMERIA alpina, dp. rose	1/4 oz.	1.10
formosa, lg. fl. hybrids	1/4 oz.	.40
<b>ASCLEPIAS</b>		
curassavica, Blood Flower	1/4 oz.	.25
<b>AUBRIETA</b> deltoidea, blood-red	1/4 oz.	.45
deltoidea, lt. blue	1/4 oz.	.45
deltoidea cyrie	1/4 oz.	.40
deltoidea graeca	1/4 oz.	.30
deltoidea Golden Bell Gem	1/4 oz.	.45
Giant Hybrids, mixed	1/4 oz.	.60
<b>BAPTISIA</b> australis	1/4 oz.	.30
<b>BELLIS</b>		
perennis dble. Longfellow or Snowball	each 1/4 oz.	.40
<b>BOCCONIA</b> cordata	1/4 oz.	.30
<b>CALLIRHOE</b>		
involucrata, reddish-purple	1/4 oz.	.25
<b>CAMPANULA</b>		
barbata, blue	1/4 oz.	.35
carpatia, white	1/4 oz.	.25
medium calycanthema, Cup and Saucer, dark blue, rose, white or mixed	each 1/4 oz.	.25
medium double mixed	1/4 oz.	.25
medium single, dark blue, lilac, rose-pink, white or mixed	each 1/4 oz.	.25
persicifolia, white	1/4 oz.	.30
pyramidalis, blue	1/4 oz.	.25
rotundifolia	1/4 oz.	.35
<b>CARNATION</b>		
Chabaud's Imp., cardinal-red (Sparkler), crimson (Nero), deep rose, flesh-pink, salmon-rose (Legion of Honor), white (Jeanne D'Alma), or yellow (Marie Chabaud)	1/4 oz.	.35
Chabaud's Imp., Mixed	1/4 oz.	.30
Enfant de Nice, pale pink, red rose, salmon, scarlet, striped or white	each 1/4 oz.	.60
Enfant de Nice, mixed	1/4 oz.	.50
Grenadin, Black King, Cardinal Red, Golden Sun, Rose Queen, Snow White, Triumph Pink or White Gold	each 1/4 oz.	.45
Grenadin, mixed	1/4 oz.	.40
Marguerite Gt. Malmalson, mixed	1/4 oz.	.50
<b>CATANACHE</b>		
coerulea, white	each 1/4 oz.	.35
<b>CENTAUREA</b>		
candidissima	1/4 oz.	.40
gymnocarpa, rose, Dusty Miller	1/4 oz.	.25
montana, blue, Mt. Bluet	1/4 oz.	.25
<b>CERASTIUM</b>		
tomentosum, Snow in Summer	1/4 oz.	.30
<b>CHEIRANTHUS</b>		
Allion, orange, Siberian Wallf.	1/4 oz.	.25
<b>CHRYSANTHEMUM</b>		
indicum, dble, ely. fl. mixed	1/4 oz.	.50
indicum, single, ely. fl. mixed	1/4 oz.	.35
leucanthemum Alaska	1/4 oz.	.30
leucanthemum Conqueror	1/4 oz.	.35
leucanthemum, Gt. double white	1/4 oz.	.40
<b>COLEUS</b>		
hybridus, extra-large leaved, mixed	1/4 oz.	.45
<b>COREOPSIS</b>		
lanceolata, lg. fl. yellow	1/4 oz.	.25
lanceolata Mayfield Giants	1/4 oz.	.25
<b>DELPHINIUM</b>		
Belladonna, light blue, Cheldon Beauty	1/4 oz.	.50
Belladonna, light blue, Improved	1/4 oz.	.55
Belladonna, dark blue	1/4 oz.	.30
Cardinale	1/4 oz.	.35
Chinensis, dwarf, Butterfly Blue	1/4 oz.	.30
Chinensis, dwarf, white	1/4 oz.	.30
Chinensis, tall, blue dk.	1/4 oz.	.30
Chinensis, tall, Cambridge Blue	1/4 oz.	.30
Chinensis, tall, white	1/4 oz.	.30
Formosanum, deep blue	1/4 oz.	.30
Gold Medal hybrids, mixed	1/4 oz.	.30
Iceberg, pure white	1/4 oz.	.30
Lamarine	1/4 oz.	.50
Pacific Giant hybrids, mixed	1/4 oz.	1.00
Wrexham (Hollyhock fl.), mixed	1/4 oz.	.65

<b>DIANTHUS</b>		
barbatum—see Sweet William		
deltoides, crimson	1/4 oz.	\$0.75
deltoides erecta, red	1/4 oz.	.65
deltoides splendens, red	1/4 oz.	.80
plumarius, double, mixed	1/4 oz.	.30
Grass Pink	1/4 oz.	.30
plumarius, single, mixed	1/4 oz.	.25
plumarius semperflorens, double, mixed	1/4 oz.	.30
plumarius semperflorens, single, mixed	1/4 oz.	.25
<b>DICENTRA</b> eximia	1/4 oz.	1.00
<b>DIGITALIS</b>		
gloxinaeflora, large fl., white or mixed	each 1/4 oz.	.25
gloxinaeflora, lg. fl., rose	1/4 oz.	.25
gloxinaeflora, large fl., The Shirley, mixed	1/4 oz.	.40
gloxinaeflora, lg. fl., yellow	1/4 oz.	.30
<b>ECHINOPS</b>		
ritro, violet, Globe Thistle	1/4 oz.	.25
<b>KREMERUS</b> bungel perfectus	1/4 oz.	.50
robustus	1/4 oz.	.75
yellow, orange-bronze hybrids	1/4 oz.	.50
<b>GALLARDA</b>		
lg. fl. Dazzler	1/4 oz.	.40
lg. fl. Portola hybrids	1/4 oz.	.40
lg. fl. mixed	1/4 oz.	.30
<b>GENTIANA</b>		
scutell, dark blue	1/4 oz.	.35
lutea, yellow	1/4 oz.	.50
<b>GERBERA</b>		
Jamesoni hybrids, Transvaal Daisy	\$3.50 per 1000	
<b>GEUM</b>		
atrosanguineum, double scarlet	1/4 oz.	.40
Lady Stratheden	1/4 oz.	.35
Mrs. Bradshaw	1/4 oz.	.25
<b>GYPSOPHILA</b>		
oldhamiana	1/4 oz.	.30
paniculata, double, white	1/4 oz.	.45
paniculata, single, white	1/4 oz.	.25
<b>HELENIUM</b> hoopesii, yellow	1/4 oz.	.30
<b>HELLOPSIS</b>		
scabrazinniaeflora, semidouble, yellow	1/4 oz.	.45
<b>HELLEBORUS</b>		
niger, Christmas Rose	1/4 oz.	.45
<b>HESPERIS</b> matronalis, white	1/4 oz.	.25
<b>HEUCHERA</b>		
sanguinea, crimson	1/4 oz.	1.20
sanguinea, hybrids mixed	1/4 oz.	1.15
sanguinea Splendens, dk.	1/4 oz.	1.10
<b>HOLLYHOCK</b>		
Chater's double, Black, Corfman Pink, Lilac, Maroon (Black Gem), Newport Pink, Red, Salmon Rose, Sunset, White (Virgin Queen)	each 1/4 oz.	.35
Chater's double, mixed	1/4 oz.	.30
single, mixed	1/4 oz.	.30
Triumph, double waved and fringed mixed	1/4 oz.	.30
<b>HYOSCYAMUS</b>		
niger, Henbane	1/4 oz.	.50
<b>INCARVILLEA</b>		
Grfl. Lg. Amaranth, red	1/4 oz.	1.00
Grfl. Brevis, bright dp. rose	1/4 oz.	.30
<b>IRIS</b> foetidissima	1/4 oz.	.25
germanica	1/4 oz.	.30
<b>LATHYRUS</b>		
latifolius, Everlasting Pea, Pink, Red, White, or mixed	each 1/4 oz.	.40
<b>LIATRIS</b>		
pycnostachya, purple, rubbed seed	1/4 oz.	.30
scariosa, blue, rubbed seed	1/4 oz.	1.00
spicata, rubbed seed	1/4 oz.	.40
<b>LILIU</b>		
philippinense formosanum	1/4 oz.	.50
Regale	1/4 oz.	.40
<b>LYNUM</b>		
flavum, Golden Flax	1/4 oz.	.35
perenne, blue or white	each 1/4 oz.	.25
<b>LOBELIA</b>		
cardinalis, scarlet	1/4 oz.	.35
<b>LUNARIA</b>		
biennis Honesty, purple, white or mixed	each 1/4 oz.	.25
<b>LUPINUS</b>		
polyphyllus atroviolacea	1/4 oz.	.25
polyphyllus, blue	1/4 oz.	.25
polyphyllus, rose	1/4 oz.	.25
polyphyllus Salmonens	1/4 oz.	.25
polyphyllus Sunshine	1/4 oz.	.25
polyphyllus, yellow	1/4 oz.	.25
polyphyllus, mixed	1/4 oz.	.25

<b>LYCHNIS</b>		
Arkwright, scarlet	1/4 oz.	\$0.35
chalcodonia, scarlet, Maltene	1/4 oz.	.25
Cross	1/4 oz.	.25
haageana hybrids	1/4 oz.	.40
viscaria splendens, rose	1/4 oz.	.30
<b>MATRICARIA</b>		
capensis, dble, white, Feverfew	1/4 oz.	.30
eximia, dble, df. Golden Ball	1/4 oz.	.50
eximia, dble, df. Snowball	1/4 oz.	.50
<b>MYOSOTIS</b>		
alpestris, Blue Ball	1/4 oz.	.50
alpestris, dwarf indigo-blue	1/4 oz.	.60
alpestris robusta, blue	1/4 oz.	.45
disaltiflora, early blue	1/4 oz.	.55
palustris semperflorens	1/4 oz.	.25
<b>PANSY</b>		
Trimardeau, gts. mixed	1/4 oz.	.60
Swiss Alpenglow, cardinal to wine-red shades	1/4 oz.	1.50
Swiss Berna, dk. velvety blue	1/4 oz.	1.00
Swiss Jungfrau, pure white	1/4 oz.	1.60
Swiss Silverbride, white and pink blotches	1/4 oz.	1.60
Swiss Giant, mixed	1/4 oz.	1.25
<b>PENSTEMON</b>		
glaber, blue	1/4 oz.	.45
glaber, rose	1/4 oz.	.50
gloxinaeflora, mixed	1/4 oz.	.65
Sensation, mixed	1/4 oz.	.50
<b>PHLOX</b>		
drummondii, lg. fl. mixed	1/4 oz.	.50
<b>PHYSTOSTEGIA</b>		
virginica, rosy-lilac	1/4 oz.	.35
<b>PLATYCODON</b>		
maries, blue	1/4 oz.	.45
<b>POLEMONIUM</b>		
caeruleum, blue	1/4 oz.	.25
<b>POPPY</b>		
nudicaule, double, mixed	1/4 oz.	.35
nudicaule, white	1/4 oz.	.35
nudicaule, single, mixed	1/4 oz.	.40
nudicaule, Sanford's Giant, mixed	1/4 oz.	.50
nudicaule, Unwin's Giant	1/4 oz.	.35
<b>POTENTILLA</b>		
warrenii, yellow	1/4 oz.	.45
<b>PRINULA</b> polyantha, red	1/4 oz.	.40
polyantha, yellow	1/4 oz.	.40
<b>PYRETHRUM</b>		
roseum, single, mixed	1/4 oz.	.65
<b>SALVIA</b>		
argentea, Silver Sage	1/4 oz.	.40
<b>SAPONARIA</b> ocyroides, rose	1/4 oz.	.25
<b>SCABIOSA</b>		
caucasica, House Hybrids	1/4 oz.	.55
caucasica, white	1/4 oz.	.60
<b>SIDALCEA</b> hybrids, mixed	1/4 oz.	.35
Rose Queen	1/4 oz.	.40
<b>STATICE</b>		
dumosa	1/4 oz.	.40
latifolia	1/4 oz.	.30
<b>SWEET WILLIAM</b>		
double, mixed	1/4 oz.	.30
single auricula, eyed	1/4 oz.	.25
single, coppery-red	1/4 oz.	.25
single Dunnett, deep crimson	1/4 oz.	.25
single Newport Pink	1/4 oz.	.25
single Scarlet Beauty	1/4 oz.	.25
single, white	1/4 oz.	.25
single, mixed	1/4 oz.	.25
single, dwarf, mixed	1/4 oz.	.45
<b>THALICTRUM</b>		
dipterocephalum	1/4 oz.	.60
<b>THERMOPSIS</b>		
caroliniana	1/4 oz.	.35
<b>THUNBERGIA</b>		
alata, Black-eyed Susan	1/4 oz.	.30
<b>TRITOMA</b>		
uvaria grandiflora	1/4 oz.	.50
<b>TROLLIUS</b>		
eupaeus	1/4 oz.	.30
<b>VERONICA</b>		
perennial varieties, mixed	1/4 oz.	.40
spicata, blue	1/4 oz.	.45
<b>VIOLA</b> —see also PANSY		
cornuta Admiration	1/4 oz.	1.00
cornuta Arkwright Ruby	1/4 oz.	.80
cornuta Blue Beauty	1/4 oz.	.80
cornuta Blue Butterfly	1/4 oz.	.80
cornuta Blue Elf	1/4 oz.	.80
cornuta Blue Perfection	1/4 oz.	1.00
cornuta Chantreyland	1/4 oz.	.70
cornuta King Henry	1/4 oz.	.80
cornuta lutea splendens	1/4 oz.	.60
cornuta White Perfection	1/4 oz.	.60
cornuta, mixed	1/4 oz.	.45

## TREE SEEDS

Available for immediate shipment.

	Per 1/4 lb.	Per lb.	Per 1/4 lb.	Per lb.
Berberis thunbergii, c.s.	\$1.40	\$ 3.75		
Caragana arborea	.85	2.25		
Cedrus atlantica	1.40	3.75		
Cercis canadensis	1.20	3.25		
Chamaecyparis lawsoniana	1.40	3.75		
Cotinus coggygria	1.60	4.25		
Cupressus sempervirens				
horizontalis	.85	2.25		
Elaeagnus angustifolia, c.s.	1.00	2.75		
Larix decidua	2.25	6.00		
Morus alba tatarica, c.s.	1.85	5.00		
Parthenocissus quinquefolia, c.s.	1.00	2.75		
tricuspidata, c.s.	1.70	4.50		
Picea abies	\$2.25	\$ 6.00		
Pinus canadensis	2.25	6.00		
caribaea, Slash Pine	1.60	4.25		
halepensis	1.00	2.75		
myrsinae, rostrata	2.05	5.50		
palustris	1.05	2.75		
strobus	2.25	6.00		
syvestris	3.35	9.00		
taeda	1.85	5.00		
Rhododendron hybrids mixed, c.s.				
per 1/4 oz.	\$2.25			
Robinia pseudoacacia	.45	1.25		



# Plant Notes Here and There

By C. W. Wood

I have probably outlined my ideal single-flowered Shasta daisy—a large flower of good substance, with overlapping petals and a small center, on a long, sturdy stem—but it will bear repeating in connection with the rather new variety Majestic. I do not put Majestic forward as the perfect Shasta, but it will help you if cut flowers are a part of your trade, and it will impress clients who are interested in cutting material.

## Dalea Enneandra.

Several years ago I received from a Dakota collector a few large (almost tuberous), yellow roots under label of *Parosela* (*Dalea*) *enneandra* which intrigued me at the time. I was equally enthusiastic during the several years that they remained in the garden, until they were overcome by encroaching shrubs. As I look back on the plant now, I am reminded that eastern growers would likely find it a useful item, not only because of the characters to be pointed out later, but because of several others which will become apparent after the plant has been in hand for a year or two.

The first feature that struck me was its graceful growth to a height of three feet or so, simulating a small tree and eminently useful in the landscape calling for a plant of that nature. In fact, the thing that brought the plant to mind was a garden visited last summer, where the *dalea* was used in a group as a background for a rock garden. The grace of the tall, slender stems, which probably could be kept to a foot in poor, dry soil, also renders it a good plant to relieve the monotony of a squat border. It could, in fact, be used in many ways where plants of its habits are called for—a role not readily filled by material ordinarily available in nurseries.

In spring, *Dalea enneandra* sends aloft slender, graceful reddish stems, at first clothed in attractive legume foliage. These later become quite naked, except at the top, where they burst into a shower of still more slender branches, which in turn end in racemes of pretty white pea flowers. Because silvery-white calyxes come before the flowers and persist long after the latter are gone, the plant is ornamental throughout the summer.

According to experience here, this is a most tolerant plant. It does well

in any light soil which is well drained, be it sunny or lightly shaded, and persists under neglect.

## Matricaria Tchihatchewi.

Let us call *Matricaria tchihatchewi* the turving daisy, to avoid the awkward name given by botanists to this little plant from Asia Minor. It has been given other names by botanists, too; so one may find it listed under *chrysanthemum* and *pyrethrum*, and I have bought it as *chamaemelum*. Be that as it may, the plant remains of much value to gardeners who have dry, sunny spots to clothe. Look over your calls for a ground cover for these situations, and you will probably remember many failures from lack of moisture, if for no other reason. Try the turving daisy, and you will probably be its friend for life, because it can take drought, poor soil and neglect and still keep the ground covered with its pretty, ferny, bright green leaves. If not mowed in May and June, it will produce a prodigious number of small white daisies, on stems a foot or less in height, depend-

ing upon fertility and moisture. The creeping stems root as they travel, soon making a solid mat of foliage.

## Adonis Amurensis Ramona.

Although *Adonis amurensis* Ramona was in American commerce a few years ago and was in this garden for several years, I do not find it in any current lists. It is too good to lose entirely; so this note is written with the hope that some specialist will rescue it before too late. Older nurserymen will agree with me when I say that once a plant leaves our lists, it is usually impossible to replace it.

*Adonis amurensis*, because it is so anxious to please that it scarcely waits for the frost to leave the surface of its sunny home before it spreads out its golden cups, has long been one of my favorite spring flowers. If you are acquainted with this ranunculaceous plant, you will probably agree that it is a lovely harbinger of spring. And

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18 to 24-in. seedlings	30.00	....
4 to 8-in. transplants	20.00	180.00
Balsam Fir		
4 to 8-in. seedlings	5.00	30.00
8 to 12-in. seedlings	8.00	60.00
American Arborvitae		
4 to 8-in. seedlings	3.00	20.00
8 to 12-in. seedlings	5.00	40.00
Oldfield Common Juniper		
4 to 8-in. seedlings	6.00	50.00
8 to 12-in. seedlings	10.00	90.00
Eastern Red Cedar		
4 to 8-in. seedlings	5.00	40.00
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E. G. Hill	
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after you have seen its double-flow-ered form, Ramona, you will agree, too, I think, that here we have a plant that should be made available to gardeners. In the latter we have double yellow flowers as much as three inches across, almost stemless at first but eventually up to six inches in height. It was best in this garden when given a rich soil, well drained, and in a spot that caught the sun's eye. There it was quite indestructible if aggressive plants were kept in check. It would never be a plant for mass production, because it must be grown from division, and that is a slow process in adonis. Therefore it was and always will be in the luxury class.

#### **Digitalis Dubia.**

Several inquiries during the winter on *Digitalis dubia* suggest that a few words on the plant might be appreciated by other readers. First of all, its height of a foot or less is disconcerting, especially after one is used to the five or six feet which the Shirley strain of *D. purpurea* is capable of, under good culture. But when it hangs out its large, soft pink bells during June and July, one has to concede that it is really a foxglove, and one of the most charming of the lot. Unfortunately, we of the far north cannot enjoy it without more fussing than the average gardener is prepared to give his plants, because, coming from the Balearic islands, it is not able to stand our winters in the open. I tried to keep it over winter under a thick mulch, but it was rarely there when spring came, no matter how dry the mulch was kept. However, it came through in frames from which low temperatures were excluded. South of the Ohio river it should do well and become popular among the keen gardeners of that section. Do not confuse it with *D. ambigua*, as some seedsmen have, for the latter is a 3-foot perennial from western Asia, fairly hardy here, with yellow gloves, often with brownish spots.

#### **Polygonum Sphaerostachyum.**

A Virginia reader has a foreign seed list containing *Polygonum sphaerostachyum* and asked if it would be worth while, if hardy. To which I replied in part as follows: This species belongs to a group of knotweeds native to the Himalayas, of which *P. affine* is perhaps the best known. If the latter is hardy with you, the subject of inquiry should be hardy also. Both are a little too tender for general planting in northern Michigan, suffering mostly from burned foliage in winter and spring.

[Continued on page 41.]



## **PRINCETON NURSERIES**

Invites you to visit us this summer.  
See us at convention time if possible,  
or come at your convenience, but be  
sure to come.

We have a very complete line of **QUALITY ORNAMENTAL STOCK** including many hard-to-find items.

We will have a nice lot of **PEACH TREES** in  
**standard varieties** for next Fall or Spring.

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PRINCETON, N. J.

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Refer to our ad in the May 15 issue.

For immediate shipment.

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Harmony, Pa.

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### **Trees & Shrubs**

### **BAGATELLE NURSERY**

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**Host for Pennsylvania  
Nurserymen's Association  
Summer Meeting August 6.**

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Leading wholesale source for  
Nursery Stock.

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### **Evergreens**

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### **Privet**

Write for wholesale price list.

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### **LINING-OUT STOCK OUR SPECIALTY....**

**Shade Tree Whips . . . a**  
timely finished product sav-  
ing 2 to 4 yrs.' growing effort  
. . . excellent variety.

A very complete line of  
**ORNAMENTAL TREES, SHRUBS**  
and **EVERGREEN SHRUBS**,  
including many scarce items.

**THOMAS B. MEEHAN CO.**  
DRESHER, PA.

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### **Trees, Evergreens, Shrubs Fruit Trees**

Write For Our Wholesale Trade List

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GENEVA, N. Y.

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## WITH \* CLOVERSET POTS

\*PATENT NO. 2073695

### THEY ARE RIGHT IN LINE FOR YOUR STREAMLINED OPERATIONS

(STANDARD HEAVY)

	No. 0	No. 1	No. 2	No. 3
Height	5½ ins.	6½ ins.	9½ ins.	9 ins.
Diam. Top	5 ins.	6 ins.	7 ins.	8 ins.
Bottom Diam.	4½ ins.	5½ ins.	6½ ins.	7½ ins.
Corresponding Clay Pot	6-in.	7-in.	8-in.	9-in.
Approx. Weight Per 100	35 lbs.	52 lbs.	78 lbs.	88 lbs.
Per 100	\$2.75	\$4.00	\$4.50	\$5.00
Per 1000	\$25.00	\$37.50	\$42.50	\$47.50

Orders for 300 or more pots, any size, take the 1000-pot rate.

We recommend: No. 0 for perennials and use in the greenhouse; No. 1 for perennials and mums; No. 2 for roses and shrubs; No. 3 for large shrubs and transplanting.

F.O.B. KANSAS CITY. TERMS: CASH WITH ORDER (EXCEPT ESTABLISHED ACCOUNTS). Prices subject to Change WITHOUT Notice. Please send ¼ of amount with C.O.D. orders.

IF YOU DESIGNATE EXPRESS, we advise you to check the cost with your local express agent. Unless otherwise instructed, we will determine method of shipment.

Cloverset Pots take 3rd class freight rate. All Cloverset Pots are packed 100 in carton, ready for use. We do not break cartons.

## CLOVERSET FLOWER FARM

ERNEST HAYSLE &amp; SON

105th Street and Broadway, Kansas City 5, Mo.

● Attractive appearance, ease in handling make them ideal for the serve-yourself merchandising customers prefer.

● There is no loss from breakage, although Cloverset Pots are lightweight—weighing only 1/16 as much as clay pot of same capacity.

● Pots are so low-priced that they may be given away—minimizing time lost in serving customer and creating customer good will.



In keeping with the profit-building trend to modernized nursery methods, progressive nurserymen have found that plants set in Cloverset Pots make handsome displays; and sell easily at a higher price, if desired.

Made from tough, asphalt-impregnated felt, Cloverset Pots are nonporous—requiring half as much watering. Plants may be quickly removed for planting by tearing or cutting pot; and your customer will find that plants are seldom lost when started and potted in a Cloverset Pot with double soil capacity.

**ORDER EARLY  
FREIGHT SHIPMENTS ARE SLOW.**



### IOWA EXEMPTS GROWING STOCK FROM TAXATION.

Following the close of the state legislature session, the legislative committee of the Iowa Nurserymen's Association has sent a report to its members, most important of which is the news that growing stock is now exempt from taxation in that state. The report of the committee in this regard reads as follows:

"The bill to exempt nursery stock from taxation is now a law, which will take effect July 4, 1947. No provision was ever on the statutes to exempt growing crops of any kind, either agricultural or horticultural. While this has been the intent and mostly the practice, it was not so specifically stated. Now all growing agricultural and horticultural crops and all harvested crops and produce harvested by or for the person assessed within one year previous to the time of assessing are exempt from taxation (Sec. 427.1 Iowa Code as amended).

"Your nursery should be assessed the same as every other piece of property in Iowa, namely the bare land value and the value of the improvements thereon. No temporarily or permanently planted tree or shrub, planted for any purpose whatsoever, shall add to the land value.

"This new exemption, as you can see, exempts your stock in storage, your greenhouse stock either on the bench or in pots; in fact, every growing thing either in or out of the ground. This saving in listing storage stock will be an item worth much to the industry which many have been paying."

The legislative committee of the Iowa Nurserymen's Association is composed of Harold J. Parnham, Harold Welch, Wayne Ferris, C. C. Smith and K. D. Holmes. Credit is given to Carl Sjulín for his valued assistance.

Other legislative actions are reported by the committee as follows:

"The requirements to become eligible for tax exemption on fruit tree plantations of one acre or more have been reduced to thirty apple trees from the original forty, or sixty of other kinds of fruit trees instead of seventy as formerly, per acre. This carries the same tax valuation of \$4 per acre. This will be of interest to those who sell orchards.

"A bill to authorize cities and towns to place a tax on all property of three-eighths of a mill for the purpose of planting, caring for and removing parking trees and shrubs passed the house and senate and has been signed by the governor.

"The anticipated reappearance of

## LINING-OUT EVERGREENS

	Per 100	Per 1000
<b>Juniperus Andorra</b>		
6 to 8 ins. (2½-in. rose pots).....	\$20.00	\$175.50
<b>Taxus Cuspidata</b>		
2½-in. rose pots, 1-yr.....	25.00	225.00
6 to 8 ins. (cut back from beds).....	35.00	325.00
<b>Taxus Cuspidata Browni</b>		
2½-in. rose pots, 1-yr.....	25.00	225.00
<b>Taxus Cuspidata Intermedia</b>		
2½-in. rose pots, 1-yr.....	25.00	225.00
<b>Taxus Media</b>		
2½-in. rose pots, 1-yr.....	25.00	225.00
<b>Taxus Media Andersoni</b>		
2½-in. rose pots, 1-yr.....	25.00	225.00
<b>Taxus Media Hicksi</b>		
2½-in. rose pots, 1-yr.....	25.00	225.00

All quotations are F.O.B. Milwaukee, subject to stock being sold upon receipt of order. Free packing for cash with order. Please use your printed stationery when requesting wholesale prices.

### BROWN DEER NURSERIES

Operated by

HOLTON & HUNKEL CO.

P. O. Box 1747

Milwaukee 1, Wis.

## POTTED TAXUS—IMMEDIATE SHIPMENT

Wonderful quality, 1 year in pots.

	Per 100	Per 1000
<b>Taxus Cuspidata, 3-in. pots.....</b>	<b>\$25.00</b>	<b>\$225.00</b>
<b>Taxus Cuspidata, 2-in. pots.....</b>	<b>20.00</b>	<b>180.00</b>
<b>Taxus Cuspidata Erecta, 2½-in. pots.....</b>	<b>20.00</b>	<b>180.00</b>
<b>Taxus Cuspidata Intermedia, 2½-in. pots.....</b>	<b>20.00</b>	<b>180.00</b>
<b>Taxus Media Hicksi, 3-in. pots.....</b>	<b>25.00</b>	<b>225.00</b>
<b>Taxus Media Hicksi, 2½-in. pots.....</b>	<b>20.00</b>	<b>180.00</b>
<b>Taxus Media Hicksi, 8 to 10 ins., beds.....</b>	<b>35.00</b>	<b>325.00</b>

## THE COTTAGE GARDENS

N. I. W. Kriek

Lansing 15, Michigan

# J & P

EVERGREENS  
SHADE TREES

SHRUBS, VINES  
HEDGE PLANTS, etc.

In good assortment.

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A complete line of well grown hardy plant material  
Evergreens and Lining-out Stock

**NORTHERN COLLECTED EVERGREENS**

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**PLANTS**

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It is easy, in an amazingly short time, to root cuttings of Camellias, Azaleas, Gardenias, Roses, Evergreens and other plants in sand, any time of the year, with our simple instructions.

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Grapevines, Currant Roots,  
Currant Cuttings and Berry Plants.

Small Fruit Specialists.

**WEST HILL NURSERIES**

Fredonia, N. Y.

Since 1875



the proposed expert tree trimmers' bill did not show up this season; so you can still have your flunkies snap off a broken limb from a dead poplar without being arrested."

#### SOUTHWESTERN NEWS.

Mrs. Tom J. Darrah, McPherson, Kan., was crowned pioneer queen of McPherson's diamond jubilee celebration May 15. Mrs. Darrah, who is now 85 years old, has been a resident of McPherson county for seventy-nine years. For many years she was engaged in the nursery business.

April 15, Frank R. Clark sold his interest in the Coffeyville Nursery, Coffeyville, Kan., to Clyde Lester Toon. Mr. Toon purchased all of the nursery stock, tools and equipment and has leased Mr. Clark's farm and orchard.

Merriam H. Reed, 74, died of apoplexy at his home at Marietta, Kan., March 16. A tree seedsman most of his life, Mr. Reed was well known to the nursery trade of the middle west. He bore an enviable reputation for reliability and integrity. His business is being carried on by members of his family.

The Fate Motor Co., York, Neb., has purchased the Harrison Nursery farm and is dealing in nursery stock.

Having been in business only a year, Mr. and Mrs. Jack Davis, owners of the Rio Grande Nursery, El Paso, Tex., report that they have enjoyed a good season. At present Mr. and Mrs. Davis are on a vacation trip to Mankato, Minn., Mrs. Davis' former home.

Council Grove Florists, Council Grove, Kan., are now the sole property of Ralph F. McAtee, who purchased William R. Strieby's share April 1.

Twenty members of the Kansas City Association of Nurserymen met at the Wagon Wheels restaurant, Overland Park, Tuesday evening, May 13, for a fried chicken dinner. An informal discussion of business conditions followed the dinner. Most of the members reported a falling off in business during the early part of the season on account of extremely wet weather, but this lag is being overcome now by increased volume.

Combining business with pleasure, Mr. and Mrs. Evert Asjes, Sr., who operate Rosehill Gardens, Kansas City, Mo., left May 20 on their first trip since 1930 to their native Holland. The Asjes took along their car and after visiting relatives in Holland will continue their buying and sight-seeing trip through France, Belgium and Switzerland, returning to Kansas City in September. J. J.

## Now is the time to buy FALL BULBS

TULIPS

HYACINTHS

NARCISSUS

CROCUS

SNOWDROPS

MUSCARI

SCILLA

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### WE SOLICIT YOUR BUSINESS

When you buy from us you are assured of the most favorable prices because:

We are one of the largest wholesale dealers of imported Holland bulbs in the middle west. We import in carload lots.

No entry fees—No cartage fees to and from ship

No extra insurance—No charge for packing

Our prices include everything except freight from Ottawa to your station. Many of our customers who formerly bought direct from Holland find they can save money by placing their orders with us. Our source in Holland is one with which we have dealt many years and we know to be absolutely reliable. The bulbs from this source give the finest satisfaction.

### COMPLETE ASSORTMENT

A VERY COMPLETE ASSORTMENT of bulbs is available including the newest and best varieties and the leading novelties. Orders for case lots received early in the season will be **PACKED IN HOLLAND ESPECIALLY FOR THE CUSTOMER.**

### FREE [PICTURES

On orders for 5000 or more bulbs we will provide free a wonderful collection of 175 bulb pictures in natural lithographed colors. Also we are prepared to furnish large brightly colored posters for window display.

Descriptive Price List Ready Now.

## THE WILLIS NURSERY CO.

Ottawa, Kansas

# Reviews of New Books

## PUBLIC RELATIONS.

Verne Burnett, whose firm is engaged in making a survey with respect to a public relations program for the American Association of Nurserymen, is the author of a guidebook to public relations, entitled "You and Your Public." This volume of 205 pages first appeared in 1943 and had such a demand that two reprintings followed rapidly. A revised edition has just come from the press of Harper & Bros., at \$3.

The book first of all treats the individual in the aspect of his relations with the public. In everyday language, some of it in dialogue form, the author presents the fundamentals of public relations. Then he goes on to the business aspects of this type of work, both from the point of view of the small enterprise and the large corporation in its various aspects. Interestingly written, the book contains a great deal of sound advice for the employer and for executive employees.

Formerly a writer for newspapers and magazines, Verne Burnett was advertising and publicity executive for General Motors Corp. and for fourteen years vice-president of General Foods Corp. Now he conducts an independent public relations firm in New York city, acting as counsel for corporations and associations.

## CALIFORNIA GARDENS.

Nurserymen in areas of the country having the California characteristics of a Mediterranean type of climate and only two seasons—a warm, dry summer and a cool, wet winter—will share the interest of nonprofessional gardeners in Sydney B. Mitchell's new book, "Your California Garden and Mine," just issued by M. Barrows & Co., Inc., at \$3 a copy. The author is a past president of the California Horticultural Society and editor of its quarterly Journal. Although in general he has gardened as an amateur, he has had professional experience in a New England nursery and was at one time a commercial grower of irises.

Based on the author's twenty-five years' experience in his garden at Berkeley, Cal., preceded by years of gardening at Montreal, in commercial horticulture near Boston and in smaller California gardens of varying nature, the book gives descriptions, cultural notes and suggestions as to use and location of the many plants

with which he has experimented throughout the years. A portfolio of pictures from the author's garden illustrates the abundant vegetation and the beauty of flowering trees, shrubs and plants which make the California garden such a colorful spectacle. Although emphasis is naturally placed on those plants which are especially suited to the cool and stimulating climate and the practically frost-free winters, readers will also find references to many varieties and types which are not ordinarily considered California material. Revising his "erroneous idea of most easterners that everything grew better in California," Dr. Mitchell has found the situations and care which are best suited to the culture of perennials, and about one-third of the book's 255 pages of text is devoted to notes on perennial varieties which he has found do well under California conditions.

## AN HERB GARDEN.

Literary rather than technical in language and thought, a new book by



## BOBBINK & ATKINS

Nurserymen and Plantsmen

Visitors always welcome.

Paterson Ave.

E. Rutherford, N. J.



## IRISES • DAY LILIES PEONIES • POPPIES

ALL YOUNG GROWN STOCK  
Prompt Service

Send for Wholesale Prices

C. F. WASSENBERG  
Van Wert, O.

Annie Burnham Carter, "In an Herb Garden," nevertheless gives some helpful information on characteristics and landscape uses of plants which have been largely neglected in modern horticultural literature. The 210-page volume, just issued by the Rutgers University Press, is priced at \$2 per volume.

If one is interested in the histories of herbs and in entertaining chronicles of their uses, past and present, he will find a good deal of enjoyment in the book. An index of Latin and common names will aid others who do not care to peruse the adventures of the author and her gardener through a full growing season, month by month, to find the book's many practical hints on the selection and cultivation of the plants.

## "VEGETABLE GROWING."

Research findings are applied to the production of vegetable crops in "Vegetable Growing," by J. S. Shoemaker, head of the department of

## 300,000 HARDY CHRYSANTHEMUMS Field-grown Divisions

ALGONQUIN, fine, double, showy yellow.  
APOLLO, bronze and yellow, Korean, tall, good.  
ASTRID, clear pink, Korean.  
AUTUMN LIGHTS, lovely semi-double bronze.  
CALIPH, tall, double, deep red.  
DEAN KAY, large cushion type, rose-pink.  
EMBER, double, showy orange-bronze.  
GOBLIN, warm bronze pompon, good cutter.  
JEAN TREADWAY, double pink, tall, good cutter.  
KRISTINA, beautiful coral-red, Korean.  
MARJORIE MILLS, cushion type, crimson and peach.  
PIGMY GOLD, cushion type, yellow pompon.  
SIEGFRIED, large, yellow, Korean.  
SONNY BOY, bronze-yellow pompon, good for pots.  
VIKING, large reddish-bronze, Korean.  
WHITE GULL, cushion type, white pompon.

## CUSHION MUMS

BRONZE CUSHION  
NEW RED CUSHION  
PINK CUSHION  
WHITE CUSHION

Above at \$4.00 per 100; \$35.00 per 1000.  
2% at 100 rate. Minimum order \$4.00.

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Headquarters for

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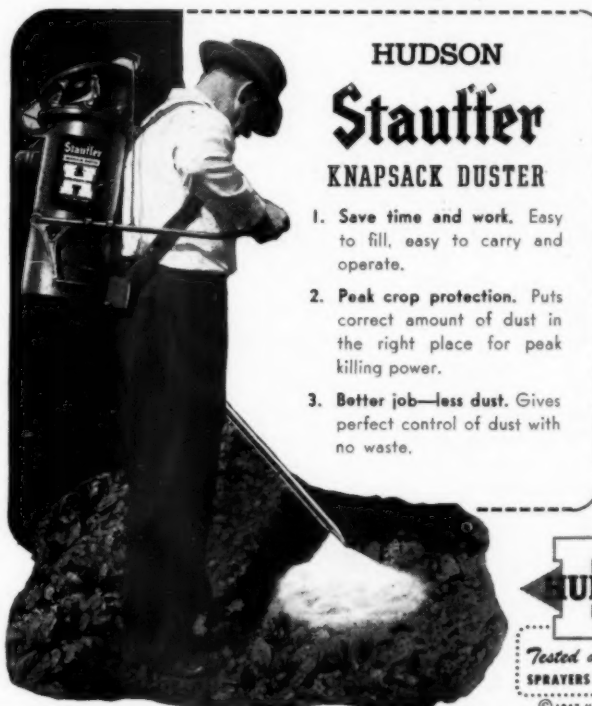
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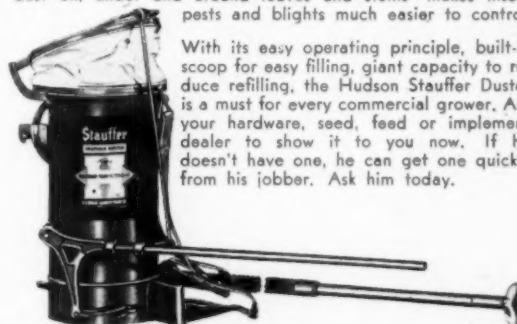


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1. **Save time and work.** Easy to fill, easy to carry and operate.
2. **Peak crop protection.** Puts correct amount of dust in the right place for peak killing power.
3. **Better job—less dust.** Gives perfect control of dust with no waste.

Why take chances with anything short of a perfect dusting job now that you can get Hudson Stauffer Knapsack Dusters for immediate delivery?

Dust your valuable crops—your vegetables, your nursery stock, your small fruit bushes and vines—with this duster and know the job is done right. The Hudson Stauffer Duster gives you perfect control—discharges a puff or a blast at will. It puts dust on, under and around leaves and stems—makes insect pests and blights much easier to control.



With its easy operating principle, built-in scoop for easy filling, giant capacity to reduce refilling, the Hudson Stauffer Duster is a must for every commercial grower. Ask your hardware, seed, feed or implement dealer to show it to you now. If he doesn't have one, he can get one quickly from his jobber. Ask him today.

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Tells how the Hudson Stauffer Duster can make your dusting easier, more economical, more effective. Send for your copy today.

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horticulture at Ontario Agriculture College. The 506-page text is published by John Wiley & Sons, at \$4.50 a copy.

Because of the basic significance of good seeds in the successful growing of vegetables and the fact that the quality of the seeds may vary considerably with the procedure in producing them, a thorough discussion of the production of vegetable seeds serves as an introduction to the consideration of individual vegetables, classified by types of crops. Turning from the conventional method of presenting information on soils, the general nature of plant growth, etc., in preliminary chapters, the author has discussed such considerations in the text, where they have direct application to the treatment of the specific vegetable crops. The material in the text is thus applicable to actual experimentation on particular crops. The book is definitively illustrated with reproductions of photographs and line drawings.

THE third generation of his family to operate Pfeiffer's Flower Shop, Sedalia, Mo., Philip Pfeiffer has purchased seventy acres of land northwest of the city, where he has opened Pfeiffer's Sedalia Nurseries.

## HESS' NURSERIES

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New Jersey

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**EVERGREENS**—In a large assortment of PYRAMIDAL and GLOBE ARBORVITAE, PFTZER JUNIPER and YEWs in grades at attractive prices. **SOME LARGE SPECIMEN EVERGREENS. SHRUBBERY and SHADE TREES.**

Mail want list for prices.

**THE WESTMINSTER NURSERIES**  
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Wholesale growers of  
**SMALL FRUIT PLANTS**  
Grapes, Currants and Raspberries—our specialty.  
Hydrangea P. G.

**FOSTER NURSERY CO., INC.**  
69 Orchard St. Fredonia, N. Y.

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Bridgeton, N. J.

### Beating the Weather

It is not possible! However, much can be and is being done here with irrigation, shading, mulching and cultivating plus unremitting care to produce fine **Evergreens, Conifers and Taxus** for this fall and next spring.

## GRAPEVINES, CURRANTS, GOOSEBERRIES and BERRY PLANTS

Can also supply Currant lineouts and cuttings.

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Growers of a complete  
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### Northern-grown Stock

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Wholesale growers of a  
general assortment for  
the best landscape plantings.

**BRYANT'S NURSERIES**  
Princeton, Illinois



### EVERGREENS

Growers of Quality Evergreens  
Lining-out Stock a Specialty  
Write for Trade List

**EVERGREEN NURSERY CO.**  
Established 1964 : STURGEON BAY, WIS.



Wholesale growers of the best  
Ornamental Evergreens,  
Deciduous Trees,  
Shrubs and Roses

Write for our current trade list.

**THE KALLAY BROTHERS CO.**  
Painesville, Ohio

### RESOLUTIONS PASSED BY NATIONAL PLANT BOARD.

At the meeting of the National Plant Board, March 26 and 27, at Des Moines, Ia., reported briefly in the May 1 issue of the American Nurseryman, resolutions and recommendations approved covered topics designed to aid nurserymen in the control of insects and diseases of plants. Particularly important are the recommendations for gladiolus bulb and strawberry plant inspections, for it is believed these new steps will undoubtedly be applied in all the forty-eight states.

It was recommended by the National Plant Board that a uniform policy be set up within each state of making a double inspection of strawberry plants, with the first inspection to be made on or about blossoming time, in order to detect red stele disease. A special certificate will not be required on strawberries, as it is assumed that every state will adopt the double inspection policy.

As mentioned in the May 1 issue, the national board endorsed in principle the programs of budwood indexing and certification of stone fruit nursery stock being sponsored by the American Association of Nurserymen. The board commended the programs now in effect in certain states and recommended the adoption of similar programs to other states now producing stone fruit nursery stock for interstate commerce.

With the A. A. N., the board also endorsed the provisions of Senate bill 338, carrying amendments to the plant quarantine act of 1912.

The federal government and the various states were urged to seek adequate funds, both through regular appropriations and Hope-Flannigan funds, for organizing a nation-wide federal-state cooperative insect pest and plant disease information service. The suggestion that such a service be organized was prompted by the facts that new insect and disease pests now may be readily transported into this country by airplane, that many pests are spread by air currents or may be distributed by seeds or other plant products, that research workers and producers and processors of plant products and manufacturers of insecticides and fungicides must have accurate information on the occurrence, spread and damage caused by insect pests and plant diseases and that there are, at present, no adequate national, regional or, except in a few cases, state sources of such vital information.

Because the extended use of airplane freight and passenger transportation brings with it the possibil-

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MOLINE ELM,**  
up to 2-inch caliper.

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up to 2-inch caliper.

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in carlots.

General line of  
Shade Trees, Shrubs, Evergreens  
and Fruit Trees.

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Charles City, Iowa

RED LAKE CURRANTS  
RED RASPBERRIES  
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CO.**  
FARIBAULT, MINN.

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ORNAMENTAL SHRUBS  
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FOREST TREE SEEDLINGS  
LINING-OUT STOCKS

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HEADQUARTERS FOR  
EVERGREEN GRAFTS, TRANSPLANTED  
EVERGREENS, SHRUB LINERS.  
RARE ITEMS YOU DO NOT  
FIND IN MOST LISTS! Write!

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FOR—

# CHOICE MOUNTAIN-GROWN FRUIT TREES

## CUSTOM BUDDING TO FIT YOUR PARTICULAR NEEDS

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### FARMERS WHOLESALE NURSERY

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Always a dependable source for true-to-name fruit trees.

WRITE FOR PRICES ON EARLY BOOKINGS.

ity of transporting injurious insects and plant diseases into the country and because the Secretary of Agriculture is not authorized to make regulations governing transportation by air, the National Plant Board adopted a resolution suggesting that appropriate action be taken to give agriculture proper representation with respect to problems of air traffic. It was also resolved that the chairman of the National Plant Board should appoint a special committee to study the problem and promote action among the states.

Noting that appropriations made by Congress for the control of the Japanese beetle have not taken into account the larger areas involved nor the higher operating costs brought about by present conditions, the board recommended increased appropriations of at least \$150,000.

As the cooperative state and federal barberry eradication project has been operating for several years with inadequate funds, the board also recommended that at least \$2,000,000 of federal funds should be made available annually for the operation of the project, until the initial work can be completed and the rework can be brought up to date.

It was suggested that increased federal funds of \$100,000 be made avail-

### LAKE'S SHENANDOAH NURSERIES Shenandoah, Iowa.

*Wholesale growers of  
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### GENERAL NURSERY STOCK

Your inquiries will be appreciated.

### GARDENIAS IN FLOWER

Container-grown plants; no loss in transplanting. Blessed with many flowers.

1-gallon size cans.  
15 to 18-inch plants.

Approximately 8 pounds per plant.  
\$75.00 per 100.

**VERHALEN NURSERY COMPANY**  
Scottsville, Texas  
1114 S. Beckley, Dallas, Texas

1887 1947

### WE OFFER FOR 1947

*our usual line of*

SHRUBS EVERGREENS  
FOREST AND SHADE TREES  
VINES AND CREEPERS

Trade List mailed on request.

**FOREST NURSERY CO., INC.**  
J. R. Boyd, Pres. McMinnville, Tenn.

### FRUIT TREES

### HARRISON BROTHERS NURSERIES

G. Hale Harrison, General Manager  
BERLIN, MARYLAND

### COLORADO BLUE SPRUCE

Bushy, well branched, 2 to 3 feet, \$1.50 each, in quantity lots, as they come. Over 50 per cent true blue. We want to get them out as we need the ground.

QUINCY NURSERIES, Friendship, Wis.

### OUR SPECIALTIES

Jun. Pfitzeriana, R.B. and pots.  
Taxus in variety, R.C., tr. and pots.  
Weigela, Eva Rathke, 2-yr. frame tr.  
Viburnum Rhytidophyllum, R.C. and pots.  
Contracting now for future delivery.  
Correspondence invited. No catalog.  
**HUMPHREYS LANDSCAPE SERVICE**  
Mt. Sterling, Ky.

able for prosecution and intensification of the program for control of the gypsy moth in the northeastern United States.

Regulations approved by the National Plant Board governing the inspection and certification of gladiolus corms suggested at least one or more field inspections annually, one of which should be made on or near blossoming time. In addition, there are to be one or more warehouse inspections after corms have been cleaned and cured, with examination of at least ten per cent of each variety. Growers are to cooperate in the treatment of all plant stock annually with any recommended, approved treatment, and if corms are infested with thrips they must be treated by an approved method before certification for sale will be made.

A certain percentage of diseased corms, ranging from one to three per cent for various diseases, will be permitted to be shipped out of the state with the use of a state certificate. No variety containing in excess of twenty-five per cent fusarium is to be eligible for certification. The maximum total tolerance allowed for all diseases is to be eight per cent, and the disease tolerances are to be reviewed and revised upon state request.

The resolution pointed out that these regulations are to be enacted and fulfilled by the individual states and that no certificates will be issued on gladiolus corms unless these regulations are put into effect. It was understood that the plan is to be reciprocal among the forty-eight states.

#### MAINE APPOINTMENTS.

Commissioner A. K. Gardner last month announced two promotions within the Maine department of agriculture, that of Stanley L. Painter, to the post of assistant chief in the division of markets, and that of E. D. Johnson, of Monmouth, to replace Mr. Painter as state horticulturist. Mr. Johnson has been assistant state horticulturist since 1934.

Both men were graduated from the University of Maine, hold B.S. degrees in horticulture and are members of Phi Sigma, honorary biology society. Mr. Painter is 39 years old, and Mr. Johnson, who did two years of graduate work in landscape architecture at Massachusetts State College, Amherst, is 41. He is a member of Alpha Zeta, honorary society in agriculture.

EAST CIRCLE NURSERY is being established by Joseph Nemec at Bristol, Pa.

## STOCK IN STORAGE READY FOR IMMEDIATE DELIVERY

	Per 100	Per 1000
<b>Althaeas, Named Varieties, Assorted</b>		
2000 12 to 18 inches.....	\$ 8.00	\$ 60.00
5000 18 to 24 inches.....	12.00	100.00
1000 2 to 3 feet.....	15.00	125.00
3000 3 to 4 feet.....	20.00	150.00
1000 4 to 5 feet.....	25.00	200.00
<b>Honeysuckle, Tatarian Pink and Red</b>		
1000 2 to 3 feet.....	25.00	200.00
<b>Privet, Amur River North</b>		
2000 3 to 4 feet, 4 br. and up.....	15.00	100.00
2000 4 to 5 feet, 5 br. and up.....	20.00	150.00
<b>Boston Ivy</b>		
3500 2-year, medium.....	20.00	150.00
4000 2-year, No. 1.....	25.00	180.00
1800 3-year, No. 1.....	30.00	250.00
<b>Honeysuckle Bella Albida and Morrowi</b>		
5000 12 to 18 inches, lining-out.....	5.00	40.00
6000 18 to 24 inches, lining-out.....	6.00	50.00
<b>Salix Niohe (Willow)</b>		
2000 18 to 24 inches, lining-out.....	3.00	25.00
3000 2 to 3 feet, lining-out.....	4.00	30.00
<b>Apple Trees</b>		
	Per 10	Per 100
1000 Red Delicious, 11/16 to 1-inch.....	\$4.50	\$40.00
1000 Grimes Golden, 11/16 to 1-inch.....	4.50	40.00
500 Jonathan, 11/16 to 1-inch.....	4.50	40.00
1000 Stayman Winesap, 11/16 to 1-inch.....	4.50	40.00
1000 Yellow Transparent, 11/16 to 1-inch.....	4.50	40.00

Have several varieties of Large Specimen Shrubs for Landscape Purposes. Assortment of Specimen Grafted Junipers—Burki, Canaerti, Glauca, etc. Write us for varieties, sizes and prices.

250 at thousand rate; 25 at hundred rate.

## ONARGA NURSERY CO., INC.

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## THE HOMESTEAD NURSERIES

H. G. BENCKHUYSEN — Proprietor — BOSKOOP, HOLLAND

FOR BETTER VARIETIES OF  
Azaleas, Rhododendrons, Magnolias, Peonies, etc.

### CHARLES SIZEMORE Traffic Manager

319½ Georgia St., Louisiana, Mo.

Loss and damage claims against railroad and express companies collected.

Freight bills audited.

Past due notes and accounts collected.

Well known to the nurserymen of the country.

Reference: Bank of Louisiana.

### Old English BOXWOOD

(Wholesale Only)

All slow-grown dense specimens. Red clay soil. Priced by height and spread. 18x12 ins. to 24x22 ins. in unlimited quantities. Also large specimens up to 5 ft. Write for price list.

BOXWOOD GARDENS

Mrs. R. P. Royer High Point, N. C.

### GULDEMOND & CO.

(Boskoop, Holland)

U. S. address

GULDEMOND'S  
Broadway Station,  
Newport, R. I.

Ask For

Complete List of  
Holland-Grown  
Plants.

Nursery Stock at  
Wholesale Only.



ARTHUR DUMMETT

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CHICAGO 11, ILLINOIS

WORLD'S LARGEST MANUFACTURER OF SPRAYERS AND DUSTERS EXCLUSIVELY



## OBITUARY.

Edward R. Sapp.

Edward R. Sapp, owner of Sapp's Nursery & Camellia Farm and of the Ed Sapp Floral Co., Waycross, Ga., died April 11 at a local hospital after a heart attack. He had been in ill health for some time.

A native of Kentucky, Mr. Sapp was educated at Transylvania College, Lexington, and moved to Waycross in 1929.

Mr. Sapp had served as chairman of the park and tree commission and was prominent in local organizations. He completed a housing project for veterans, called the Ed Sapp development program. A second housing program was started, but Mr. Sapp was forced to give this up because of ill health.

Surviving are his widow and one daughter.

Clayton L. Stoner.

Clayton L. Stoner, proprietor of Stoner Nursery, Springfield, Mo., died suddenly of a heart attack, May 3, at his home at Springfield. Mr. Stoner, who was 84 years old, devoted his life to the growing and selling of nursery stock.

**Holland-Grown Nursery Stock**

Shrubs and Trees,  
including liners,  
Rhododendrons and Azaleas  
Hardy Perennials  
Peonies

NOVELTIES IN ALL LINES  
Ask for wholesale catalog.

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Boskoop, Holland  
Growers and exporters since 1903.

**FRUIT TREES**

East Malling Stocks  
Rosebushes and Herbaceous plants  
Buy from a firm specializing in  
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S.P.R.L.

Obourg, Belgium

Ask for quotations on items you  
need, indicating quantities.

Our new 1947-48 catalog has been mailed to  
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JOHN B. McHARDY, 390 St. Paul St.,  
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Specialists in Azaleas, Rhododendrons, Japanese  
Maples, Magnolias, etc. BOSKOOP, HOLLAND.

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Originators of Azalea Vuykiana (Hardy Dutch Hybrid Azaleas), large-flowering, bloom with foliage; in one white variety and several in nonfading colors.

Propegators and growers of choice nursery stock. All types of Azaleas, Rhododendrons and other broad-leaved Evergreens, Conifers, Roses, Shrubs and Perennials.

Exports to the U. S. A. receive special preparation, cleaning and packing for best results. All stock carefully graded. New York office handles all import details at no extra cost.

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VUYK VAN NES NURSERIES

**HOLLAND PEAT MOSS**

Best quality, large bales, properly packed by a group of the largest producers operating extensive highland moors and well equipped mills. Carlots of 300 bales or more only. Write.

**HOLLAND BURLAP SQUARES**

Uniform quality, two tape edges for tying. Made by the largest mill in Holland, whose exclusive distributors we have been since 1921. Stock on hand and being made. Order now for prompt or later delivery.

**HALF MOON MANUFACTURING & TRADING COMPANY, INC.**

90 West Street New York, N. Y.



## CALIFORNIA ASSOCIATION OF NURSEYMEN

JACK LINCKE, Executive Secretary

215 West Seventh St., LOS ANGELES 14, CALIF.

### INVESTIGATE TAX LEVIED ON GROWING STOCK.

Few problems with which the state's nurserymen have to contend are as vexatious as the personal property taxes levied against nursery stock by many of the counties of California, according to Jack Lincke, executive secretary of the California Association of Nurserymen, who is in the process of investigating the subject.

While a few counties are eminently fair in these assessments, too many are not. There have been several cases this year of exorbitant and inexcusably high rates.

It is not necessary to point out to those in the industry that, from a practical standpoint, nursery stock, because of its perishable nature, has no value until it is sold. Its susceptibility to insect pests, plant diseases, frosts and kindred material hazards makes it a highly vulnerable commodity.

This was recently exemplified when the federal government permitted a Florida taxpayer to deduct several thousand dollars from his income tax because a frost killed a considerable quantity of high-priced shrubbery with which his home was landscaped.

It was recently recommended to the secretaries of each of the association's nine units that a committee of members from each organization be formed to analyze the formula by which its county assessor levies upon nursery stock. The secretaries were asked to instruct the committees to outline what, in their opinion, is unfair about the assessment and to suggest what they believed to be an equitable yardstick. When each chapter has done this, the several opinions will be submitted to the northern and southern steering committees, which will be asked to incorporate the chapters' suggestions in a proposed assessment plan.

The suggested plan will then be presented to the board of supervisors of each county concerned by a committee made up of resident nurserymen and the association's secretary. At the same time, it is planned to release publicity in pertinent newspapers to acquaint the public with the nurserymen's problem in an effort to

bring pressure upon the supervisors.

While it is, of course, possible to file suit against the counties in question in an effort to obtain redress, the state office has been informed by Bert Leslie, attorney for the Merchants' and Manufacturers' Association, Los Angeles, that such a suit would have small likelihood of success. Mr. Leslie also states that, in his opinion, it would be virtually impossible to get a remedial bill through the legislature because of the many discretionary prerogatives the counties have.

Regrettably, the summation of our case in many counties and its presentation to the supervisors will be tedious and will involve considerable

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ushers in a new era in Gooseberry growing. Easy to pick, hardy and most productive, the Pixwell puts profit in gooseberries.

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Fertile, Minn.

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Evergreens — Shrubs  
Asparagus — Rhubarb  
Send for Complete Trade List.  
**W. N. SCARFF'S SONS**  
NEW CARLISLE, O.

### SNEED NURSERY COMPANY

P. O. Box 798  
Oklahoma City, Okla.

## AMERICAN NURSERYMAN

time and effort, but it is believed by the state office to be of sufficient importance to merit concentrated attention.

Jack Lincke, Sec'y.

### INSURANCE SAVINGS.

Members of the California Association of Nurserymen may now make appreciable savings on two types of public liability and property damage insurance as the result of a program announced to the members by a bulletin May 1. The organization's executive secretary has made an arrangement with a brokerage firm for a comprehensive policy under which bodily injury liability, except automobile, may be obtained for sixty per cent of manual rates and nonownership liability automobile may be had at fifty per cent of manual rates. The arrangement, of course, makes provision for the fleet rating of cars where five or more vehicles are operated.

It has been estimated that, on the

**1,500,000**

Fruit Trees, General Line.

Combination Fruit Trees.

Flowering Shrubs

Shade Trees

Roses

Be wise, shop around; get our prices before you buy. Watch the mail for our early summer wholesale list.

**SISK NURSERIES**  
Winchester, Tenn.

### WE OFFER...

Our General Line of

### SMALL FRUIT PLANTS

Let us quote on your requirements.

**L. J. RAMBO'S WHOLESALE NURSERIES**  
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### We wish to purchase...

Evergreens, Fruit Trees,  
Shrubs, etc.

Send your surplus list to  
**THE PONTIAC NURSERY CO.,** Romeo, Mich.

basis of average amounts of coverage for all of our members, the industry saving from this plan will be between \$7,778 and \$20,730 a year. This saving, together with that made possible from the workmen's compensation insurance group, will return to the industry more money than the association's annual operating expense.

Jack Lincke, Sec'y.

#### CALIFORNIA ARBOR DAY.

After encountering what, momentarily, seemed to be the death knell for proposed plans for a California Arbor day, the executive secretary of the California Association of Nurserymen has succeeded in straightening out the trouble, and the bill will soon be on the statute books.

Under the sponsorship of Dwight Stephenson, assemblyman from the Ninth district, the Arbor day bill passed both the assembly and the senate. It went through the assembly rules committee in good order, but when the bill was presented to the senate rules committee, Senator Slater, of Sonoma county, raised strenuous objections. The senator did not want an Arbor day bill of any type passed. For many years he was a personal friend of Luther Burbank, and at each session of the legislature had delivered a memorial to Mr. Burbank from the floor of the senate. He believed that any day promoting planting of any type should occur on March 7 and be known only as Luther Burbank's birthday.

However, with the assistance of Mr. Stephenson, the senator withdrew his objections with the provision that March 7, Burbank's birthday, be designated as Arbor day.

In a conference with Senator Hatfield, chairman of the rules committee, the latter group agreed to accept whatever amendment to the bill would be drafted by Senator Slater, Mr. Stephenson and Mr. Lincke. The amendment has been drafted and, incidentally, will provide a much stronger bill than was originally passed by both houses.

As a result of the foregoing, California is now assured of an annual Arbor day which, each year, will be proclaimed by the governor and which will provide many thousands of dollars of business for the industry.

In addition to the above bill, the state office worked with Senator Jack Tenney, of Los Angeles, in having another bill introduced which, annually, sets aside the period from February 12 to February 22 as state tree-planting period. This bill went through without a hitch and, similar-

## PACIFIC COAST NURSERY

2244 N. Skidmore Ct.

Portland 11, Oregon

#### Fellow Nurserymen:

No doubt most of you know me by the above picture, and I am still alive and growing seedlings. Those of you that have done business with us in the past, but quit us for various reasons, we hope that you will give us another trial, as we are now in a better position to supply you with quality stock than ever before, and any business from new customers will be appreciated.

We have a nursery in Oregon, and one in Washington, 200 miles apart. Our apple and pear seedlings are grown in Washington, and all the other varieties of seedlings we grow in Oregon. Our oldest son, Martin, is in charge of the Oregon nursery, and the youngest son, John, Jr., looks after the Washington nursery. My dear wife looks after the office work, and tries to be helpful and gracious to our customers, while I am the King Fish of the crew; so you see we are incorporated similar to Amos and Andy.

We have mentioned many times that we specialize in fruit tree seedlings only, and that is true. It is the main part of our business, but we also grow around 200,000 fruit trees for the local home trade. In the past we have never advertised our fruit trees in the East where we sell seedlings, and we do not intend to advertise them in the future, but if any of our customers who buy seedlings from us should run short in some varieties of trees, if we have what he needs, we will be glad to sell to him to help him out, but we do not sell to those who do not buy seedlings from us; so in case, dear customers, you run short in fruit trees do not hesitate to write us, and if we have the variety you need we will be glad to help you out.

If any of you come here to the Coast, you have a cordial invitation to visit our Nursery whether you are a customer or not, and we will be happy to show you the places of interest around this vicinity. I hope that I will not disappoint you though, as I did some good friends from Monroe, Mich., a few years ago. We could see our 11,000 ft. Mt. Hood covered with snow, 60 miles from Portland, as clear as could be before we left home, but by the time we arrived at the mountain, it was lost in fog. Since then, every time I see them, they ask if I have found the mountain.

References as to our reliability gladly given upon request.

I have just returned from a quick trip East, seeing as many of you as possible, and am now back in harness again. I have arranged for my wife, my son Martin and two of our daughters to attend the Boston Convention, and any favors any of you can show to my family will be much appreciated by myself.

Sincerely yours,

John Holmason

ly, will result in thousands of dollars of additional business to the nursery industry. Everyone should mark those days on his calendar and, in addition, bedding plant growers, particularly, should mark the period starting February 2 and ending February 8 as national garden planning week. This 7-day period has been designated by the Secretary of Agriculture as the time to plan home vegetable gardens.

In these three measures, two of which were sponsored by the California Association of Nurserymen, are many thousands of dollars of sales for the state's nurserymen.

Next year, the state office will provide ample publicity which, in conjunction with efforts by individual nurserymen, should be very beneficial.

Jack Lincke, Sec'y.

STEPHEN VISTICA, Vistica Nursery, San Mateo, Cal., has opened a new nursery and flower shop at 70 North El Camino Real, San Mateo. A well known landscape artist, nurseryman and floral decorator, Mr. Vistica has had a lifetime experience in the propagation of plants and for the past three years has operated his own landscaping business.



*Growers of*  
**THE WEST'S FINEST  
LINING-OUT STOCK**

**AZALEAS  
CAMELLIAS CONIFERS  
BROAD-LEAVED  
ORNAMENTALS**

Send For Our Large  
Color Illustrated  
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**FOR 1947-48 SEASON**

**Fruit Trees  
Small Fruits  
Fruit Tree Seedlings  
Flowering Trees  
Shade Trees  
Shrubs  
Roses**

and a general assortment of other  
nursery stock.

Ask us to put your name on our  
mailing list. (Use your letterhead.)

**RICH & SONS NURSERY**  
Hillsboro, Oregon

**NOTICE**

Limited production makes it impossible  
to book orders for new customers.

**HOWARD ROSE COMPANY**  
Hemet, California

**LILY BULBS  
for Fall Delivery**

Our 1947 Trade Price List of Lily and  
Miscellaneous Bulbs is now available  
and will be mailed upon request.

Edgar L. Kline, Lily Specialist  
Lake Grove, Oregon

Order Christmas Trees and Holly now  
for 1947. Christmas Trees all heights.  
Douglas, Silver and Silver-tipped Fir,  
English and French Holly, all good  
quality.

**CORNWELL CHRISTMAS TREE CO.**  
2125 N.E. 39th Ave. Tel.: TR. 5277  
Portland 13, Ore.

**TRI-COUNTY MEETING.**

The fifty-eighth meeting of the  
Tri-County chapter of the California  
Association of Nurserymen was held  
April 25 at Pierpont Inn, Ventura,  
Cal.

Following dinner, the meeting was  
called to order by President C. Mavro  
Warren. A communication from  
Jack Lincke, executive secretary of  
the California Association of Nurs-  
erymen, regarding the taxation of  
nursery stock by city and county  
governments was read and discussed.

W. B. Howes, of the California  
polytechnic school, gave a report on  
the preparations being made for the  
meeting of the Tri-County chapter  
which was held there May 23. This  
proved to be an interesting meeting,  
with a tour of the school's agricul-  
tural projects as one of the features.  
Tri-County chapter members had  
been urged to invite their friends  
and any young people interested in  
agriculture.

The committee in charge of this  
meeting was as follows: W. B.  
Howes, San Luis Obispo; Bert Kall-  
man, Santa Barbara, and Clarence  
Mets, Ventura. It was decided to  
hold a business meeting prior to the  
meeting at the school.

All members were urged to use  
the new metal signs issued by the  
California Association of Nursery-  
men, as well as the decals, which have  
been distributed.

It was proposed that all nurs-  
erymen follow the Newburyport plan  
of a ten per cent reduction in price  
of all merchandise sold. It was  
further suggested that the secretary  
of the state association be asked to  
look into the matter of making this  
price reduction program state-wide,  
and Bert Kallman was appointed to  
draft a resolution and forward it to  
state Secretary Lincke.

State Director Walter J. Knecht  
gave a complete report of the direc-  
tors' meeting held at Fresno recently.

The program for the evening was  
presented by one of the Tri-County  
chapter's own members, George  
Steelman, of Steelman Nursery, Cam-  
arillo. Mr. Steelman, who is a well  
known citrus and avocado grower,  
gave an interesting talk on the use  
of electric heating units in the propa-  
gation of seedling citrus and avo-  
cados. L. T. Clearwater, Sec'y.

FRANCIS A. KAPLAN is now  
the manager of the Clovis Nursery,  
Clovis, N. M.

JOHN HOLMASON, proprietor  
of the Pacific Coast Nursery, Port-  
land, Ore., flew east last month on a  
business trip.

**ORDER NOW**

**for 1947-48**

**Apple Seedlings**

**Pear Seedlings**

**Chinese Elm Seedlings**

We specialize in these items.

Our quality is tops.

**WASHINGTON NURSERIES**  
Toppenish, Wash.



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**NURSERY PACKING**

Wood Feathers (Baled Red Cedar  
Shavings) are valuable to use when  
packing bare roots or deciduous stock  
for shipment because of their large  
moisture-absorbing capacity. Will keep  
roots moist in transit or storage. The  
most economical of packing materials  
and the easiest to use.

**Wood Feathers**

MONARCH SHINGLE CO.  
P.O. Box 37, North Portland, Ore.

**BALED SHINGLE TOW**

(CEDAR SHAVINGS)

**WM. A. JOHNSTON**

408 Postal Bldg., Portland 4, Ore.

### CENTRAL CALIFORNIA ASSOCIATION MEETS.

The Central California Nurserymen's Association returned to Niles for its meeting, May 8. There were three speakers, and each gave a short but interesting discussion of his chosen topic. In the order that they were introduced, the speakers were John Aiken, long-time bay area gardener, now located at Orinda; M. S. Higgins, president of the California Horticultural Council, and M. E. Mott, landscape architect, Oakland.

Mr. Aiken told about the growing of clematis in the bay area. He feels this plant has been neglected by growers, probably because many of them do not know of the better kinds which are available. He reported that the clematis can be grown anywhere in northern California, provided there is no acid soil. The plant seems to prefer a neutral soil, but will tolerate one which is slightly alkaline. It can be grown in partial or even full shade, although it likes a sunny location. Mr. Aiken brought with him specimens of clematis in flower, some of which were at least six inches in diameter. Recommended varieties included: The President, purple; King Edward VII, gray-lavender; Ville de Lyon, red; Lady Betty Balfour, pink-lavender, and Nelly Moser, white shot with red.

M. S. Higgins told of the newly formed California Horticultural Council. It is to be composed of all of the professional horticultural organizations in the state, and its purpose is to raise the standards of the industry and to take leadership in promoting public interest in horticultural activities. Its present campaign is to establish a state-supported arboretum in the Oakland area, and it is planned to organize the council in the southern part of the state soon. Ray Hartman, San Jose, a member of the Central California Nurserymen's Association, is an officer of the council, and all members of the association are members of the council by recent action of the board of directors.

M. E. Mott was introduced by a former state association president, Jack McDonnell, of Oakland. Mr. Mott has recently been appointed landscape architect for the city of Oakland. He hopes to make it the most beautiful city in America. Included in his plans are the renovation of all of the city parks so they will contain newer kinds of the commonly and easily grown plants, the introduction of color into the parks and the planting of highway channels and other unsightly areas with highly colored flowering plants. It will be possible, and Mr. Mott be-

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306 S. E. 12th AVENUE

Avery H. Steinmetz

PORTLAND, OREGON

### Quality Stock

CONIFERS AND BROAD-LEAVED  
EVERGREENS  
SHADE AND FLOWERING TREES  
FRUIT TREE SEEDLINGS  
FRUIT TREES  
DECIDUOUS SHRUBS  
VINES AND BULBS  
PORTLAND ROSES

**CAMELLIA LINERS!**  
From 2 1/2-in. pots. Ready June.  
Our list contains very fine varieties. Highest quality guaranteed.

Rubber Budding Strips  
Tree and Pot Labels

*Write for our Catalog*

### A. MCGILL & SON

FAIRVIEW, OREGON

Wholesale Only

#### GOOD WESTERN-GROWN NURSERY STOCK

Fruit Tree Seedlings  
Flowering Ornamental Trees  
Shade Trees

Grown right and packed right.

Combination carloads to Eastern  
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MILTON Since 1878 OREGON

#### Flowering, Ornamental and Shade Trees

Oregon and Washington-grown  
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141 S. E. 65th Ave., PORTLAND 16, ORE.

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6691 S. W. Capitol Highway

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Wholesale Growers  
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General Nursery Stock

### MEET US AT THE CONVENTION AT BOSTON JULY 21 to 24

Orders will be taken for lining-out  
and landscape-size ornamentals.

HYBRID  
RHODOS.  
CAMELLIAS  
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IRISH YEW  
BOXWOOD  
PYRAMIDALIS  
ARBY.

Many other choice varieties.  
Good root system our specialty.

**F. A. DOERFLER & SONS**  
Salem, Oregon

### AS ALWAYS— OREGON'S BEST SOURCE of GOOD ROSES

Limited crops reserved for  
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**PETERSON & DERING**  
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## NURSERY LABELS IN 25c PACKS

THE EFFICIENT WAY TO  
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Two Hundred 25c Packs That Retail  
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If You Mail Check With Order.

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65 WEST UNION ST., PASADENA, CALIF.

## PEACH PITS

CALIFORNIA LOVELL SEEDS  
Also  
Apricot and Myrobalan Seeds.  
1947 Crop.  
By ton or car.  
Write for prices.

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P. O. Box 498 Elverta, Calif.

Send for Our Seed List.

**A. B. C.**

"Supreme" Quality  
SEEDS — PLANTS — BULBS  
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Growers' Accessories

**AMERICAN BULB CO.**  
1335 W. Randolph St. CHICAGO 7  
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## SEEDS

Collectors of Tree, Shrub and  
Wild Flower Seeds  
Crude Drugs and Ornamentals.  
**E. C. MORAN** Stanford, Mont.

lieves it is desirable, for groups in an area to select the colors or the kinds of plants they want to stress, and the city will do all it can to carry out that idea in that area. In this way, he feels homeowners will become more conscious of home plantings and home care, and nurserymen in the area, by advertising and making features of such items, can benefit greatly.

Local flower groups are cooperating in this plan. The local branch of the American Rose Society is assisting in the renovation of the city rose garden; the camellia society is taking steps to make a gigantic camellia park at Lakeside park, and bulb growers are assisting in smaller but important projects. A large outdoor theater will be built in a natural setting, and groups, such as the San Francisco Symphony orchestra, the San Francisco ballet and others will be featured attractions.

Previous to the meeting, the board of directors discussed the taxation of nursery stock as personal property at full inventory value. This matter has come up in various counties at different times. This time, all communities being anxious to raise income from new sources, it seems that in nearly every county a heavier assessment than ever before is being laid. According to information received from the office of the executive secretary of the state association, nursery stock offered for sale is a liability and not an asset and thus is not taxable as personal property. Members are advised, therefore, to fight the attempt to have such assessments made. If the tax is paid, it should be under an official protest, so that it may be refunded more easily to the payer at a later date.

Recognizing that lower wholesale prices will prevail in a few years, if not sooner, the executive secretary has suggested that all growers reduce the prices of their stock by ten per cent and that retailers reduce prices by fifteen per cent. This is being suggested as a state-wide move, as it is felt that the nurserymen in the state may have reduced their market by making their prices too high. The Central chapter decided that no action be taken on this matter and felt that it was a matter for each grower to decide according to his own conditions.

It was also announced that the association has completed arrangements for a group insurance plan for automobile and public liability insurance. Members interested in having this low-cost protection should communicate with the office of the executive secretary. The savings amount to about thirty per cent of the usual premiums.

Stuart Fletcher, nurseryman at Mis-

## INCREASED HIS INCOME

"Without ALS training I could not have had ability to execute work of my clients as I do now. There is a big difference in my earnings — Your school gives experience and increases income." — C. Hellmuth, N. Y.



Many a man has moved to higher places, has become a more valuable employee—with this practical, 8 to 12 months' home study course, Nursery owners whose men know landscaping increase their services to the public—and their profits.

45 printed and beautifully illustrated lessons—landscape gardening, designing landscaping of homes, estates, parks, cemeteries, etc. Continuous free consultative service. 31st year. Students throughout the world. Write for booklet.

Francis A. Robinson, president, is a partner of Robinson & Parnham, member of American Association of Nurserymen; in active professional landscape practice for 36 years.

**AMERICAN LANDSCAPE SCHOOL**  
6435 Grand Avenue, Des Moines 12, Ia.  
Please send me details.

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A thorough interesting home training covering your regional conditions for both those who wish to become LANDSCAPERS, DESIGNERS and GARDENERS, and those who wish to learn for their own use and pleasure.

EMPLOYEE TRAINING  
Nurserymen from Maine to California are using this training to upgrade employees. It may be of help to your organization.

Send for FREE BOOK  
APPROVED FOR VETERANS

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Use the famous Mendall Metal for quick, permanent repairs on splits, cracks, holes in all pipes, fittings, boilers, motor blocks, cylinder heads, water gaskets, radiators, kitchen utensils, etc. Works right through rust or corrosion. Used nationally for 30 years. Send \$5.00 now for special Shop Size 6-Bar Package, prepaid, and easy-to-use instructions. Or, write for convincing testimonials first if you wish. Money-back guarantee.

**4 A. MANUFACTURING CO.**

Dept. 29 Littleton, Colo.

## "GRO-QUICK" ELECTRIC SEED BED HEATER

**BOTTOM HEAT CAN'T BE BEAT**  
For Early Plant Starting  
For High Germination  
For Fast Growth  
For Rooting Cuttings



200 watt Junior Cable for 20 sq. ft. .... \$1.00  
400 watt Senior Cable for 40 sq. ft. .... 3.20  
Air Thermo with pilot light 1000 W. .... 3.75  
Soil Thermostat with pilot light .... 9.50  
Special 220 volt Cable for 80 sq. ft. .... 6.40

WRITE TODAY  
FOR EXPERIENCE REPORTS, PLANS.  
Prepaid at prices shown. Immediate delivery.

**"GRO-QUICK"** 366 W. Huron St.  
Chicago 10, Ill.



sion San Jose and business manager of the 1947 Oakland flower show, was asked to take a bow for the fine work which he had done in connection with the show and the excellent manner in which he took care of the interests of the nurserymen at this year's show.

Members were offered a group of decals to place on the windows of their offices, salesrooms and trucks. These are replicas of the seal of the state association and are a part of the drive to acquaint the public with the seal. Some of the members reported that they had received the sheet iron emblem and had found it so large and heavy that it was quite a problem to decide where to put it. However, many nurserymen in the state have not had this problem, and the seals are mounted in prominent places.

The next meeting of the group will be at San Jose, June 12, at a place to be selected. W. B. B.

### COVER ILLUSTRATION.

#### *Berberis Circumserrata.*

There are many barberries known in the trade. Some of them are among our most common shrubs, while others are little known or used. Some of the little-known types are worthy of greater use. *Berberis circumserrata* is a deciduous barberry, native of China. Its habit of growth is upright, about three feet tall, with numerous reddish-yellow, grooved twigs. One to 5-parted spines, of about an inch in length, are prevalent.

The leaves are three-fourths inch to one and a half inches long, wedge-shaped at the base and broader toward the rounded apex. They are slightly toothed or nearly entire, with hairy margins. They are dark green above and whitish beneath. The flowers are small, yellow and of little importance ornamentally. The fruits are yellowish-red.

*Berberis circumserrata*, like most of the barberries, is adaptable to a wide range of soil conditions. It is best used in sunny exposures or in slight shade. It requires moderate pruning and removal of the older branches to maintain an attractive plant. Propagation is by seeds. *Berberis circumserrata* is recommended, since it is sufficiently resistant to the black stem rust of wheat to allow its shipment to protected states under permit.

This species of barberry may be used in foundation plantings, as hedges, as low border plants and as specimens. L. C. C.

**STARTING** in the nursery business at Vallejo, Cal., William Aden, Jr., is proprietor of Aden Nursery.

## WANT ADS

Help and Situation Wanted and For Sale advertisements.

Display: \$3.00 per inch, each insertion. Lines: 25¢ line; minimum order \$2.00

### HELP WANTED

Nursery superintendent, a man with several years' experience growing evergreen stock, wanted by a progressive wholesale nursery in midwest state. Must be capable of directing activities of 40 to 50 men and assume charge of production operations. This is an excellent opportunity for an aggressive man. Give full details of past experience, references and salary desired. All replies will be confidential. Address Box 491, care of American Nurseryman.

### HELP WANTED

Propagator or young married man interested in learning to propagate stock. We can supply house to live in and want someone interested in something permanent.

FAIRVIEW  
EVERGREEN NURSERIES,  
Fairview, Pa.

### HELP WANTED

Foreman-salesman wanted immediately by outstanding Massachusetts company engaged in general tree care, large tree moving and planting. Excellent opportunity. Salary and commission. Address Box 495, care of American Nurseryman.

### SITUATION WANTED

Horticulturist interested in a position with a progressive establishment where my experience and training will be of value; 35, married. Nursery and botanical garden experience including Kew Gardens, England, and New York. Prefer Calif. or Pac. Northwest. Address Box 496, care of American Nurseryman.

**FOR SALE**—Opportunity de luxe; old established greenhouse and nursery business. Never offered before; owner wishes to retire. A thriving business in a location where thousands pass daily. \$30,000.00 price includes valuable grounds, greenhouse, office building, office furniture, greenhouse and nursery tools and equipment. New stock, \$1,800.00 G.M.C. truck, team of mules. Signs goodwill and merchandise on hand date of possession. Who will be the lucky purchaser? Write or phone, E. V. DELAPLANE, sole agent, 306 Securities Bldg., Omaha, Neb. JA 4046, WA 3449.

THE annual rose festival at Portland, Ore., will be held the second week of June, with the rose show at the art museum June 11 and 12 and the rose festival parade June 13.

**MANAGEMENT** of the Mountain Meadow Nursery, Monroe, Wash., has been assumed by the Hubbard Farm Management Service, owned and operated by Earl F. Hubbard. Howard Andrews has resigned his position as chief state nursery inspector to take over the management of the nursery under the supervision of the service. George Cook, who served as manager of the Mountain Meadow Nursery for the past six years, will stay with the organization as supervisor of landscape gardening.

### FOR SALE

Well stocked nursery, at Dodge City, Kansas, with established retail and wholesale trade. Member of American Association of Nurserymen (class 8) and Western Association of Nurserymen. Sale includes modern 7-room home, garage, tool house, storage sheds, three wells, and 74 fertile acres, half in nursery stock—60 acres irrigated, 5,000 *Scopulorum Junipers* (3 to 4 ft., 4 to 5 ft.), 50,000 trees and shrubs planted this spring, 14,000 liner evergreens, 1,000 *Pfitzer Junipers*, 1,000 Chinese Elms, 1,500 Red Cedars, other stock too numerous to state here. Field count will be furnished upon request. Price \$62,000.00; now grossing over \$40,000.00 per year; owner retiring, immediate possession. Write:

DALE MCCOOK  
Box 29, Dodge City, Kansas

### FOR SALE

We have a small farm with approximately 265,000 young plants of flowering shrubs, trees and some broad-leaved evergreens now growing on this place; a 5-room farm house, and a large barn. Within 20 minutes of McMinnville, Tenn., one of the fastest-growing little cities and also one of the largest nursery centers of the nation. We are not selling our business, only this one farm. If interested in this fine young nursery stock and a good little farm, write for price and description or come and look it over.

O. H. PERRY NURSERY CO.  
Box 545 McMinnville, Tenn.

### Representatives WANTED

One of the largest growers of **Premium Croft Easter Lilies** has several choice territories open for live-wire representatives. If you are now calling on the trade, write to us about adding our nationally advertised **Del-CROFT Bulbs and Blooms** to your line. Take advantage of the trade's preference for high-profit, superior Croft Lily stock. Top references required.

Write at once to:

### AMERICAN BULB GROWERS OF CALIFORNIA

Dept. KK, 12 Geary Street,  
San Francisco 8, Cal.

Growers of the famous **Del-CROFT Lily** (Now booking orders for summer bloom and fall bulb deliveries.)

# CLASSIFIED ADS

25 cents per line.

Minimum order, \$2.00.

## AQUATICS

### AQUATICS

Water Hyacinths, \$3.00 per 100, \$25.00 per 1000; Parrot's Feather, \$1.50 per 100 stems; Pickerel, Lizard's Tail, Water Snowflake, Water Iris, Water Shield, Water Canna, Water Caladium, \$1.00 per 10, \$6.00 per 100; Thalia N. Advena and N. Odorata Minor (small White Water Lily), \$2.00 per 10, \$15.00 per 100; N. Odorata Gigantia (large white Water Lily), \$3.50 per 10, \$25.00 per 100.

POMONA NURSERIES  
Route 2 B Dade City, Fla.

## BERRY PLANTS

**CULTIVATED BLUEBERRY PLANTS**  
Returns last summer were from \$1000.00 to \$2000.00 per acre for the growers of these berries. 1-yr. plants, \$3.00 per doz.; \$18.00 per 100. 2-yr., 12 to 15 ins. high, \$8.00 per doz.; \$60.00 per 100. 3-yr., \$12.00 per doz.; \$90.00 per 100. L. L. N. Y.

WARREN SHINN, Woodbury, N. J.

**RED SUNRISE RASPBERRY PLANTS**  
Superb stock, heavily rooted. Carry special New Jersey Raspberry certificate. None better. \$5.00 per 100; \$40.00 per 1000.

WARREN SHINN, Woodbury, N. J.  
Nurseryman for 40 yrs.

**RED RASPBERRIES**  
No. 1 Sunrise and Indian Summer  
\$5.50 per 100, \$50.00 per 1000  
WAYNESBORO NURSERIES  
Waynesboro, Virginia

**Special WEYMOUTH BLUEBERRY PLANTS**  
2-yr., \$15.00 per doz.  
WARREN SHINN, Woodbury, N. J.

Plan your classified ad now  
for the  
A. A. N. Pre-Convention Issue.  
Last forms close June 30.

## BULBS and TUBERS

### QUALITY LILY BULBS

	Per 100
Lilium Rubrum, 16 to 18 cm.	\$40.00
Lilium Henry, 22 to 26 cm.	30.00
Lilium Regale, 5 to 6 cm.	8.50
Lilium Regale, 6 to 7 cm.	10.50
Lilium Regale, 7 to 8 cm.	13.00
Lilium Regale, 8 to 9 cm.	18.00

Cash, or C.O.D.  
MONARCH PLANT FARMS  
Kalamazoo 99, Mich.

**DAYLILIES**  
Choice Modern Daylilies  
2-year field clumps—Guaranteed true to name—All bloomed last year, and they are beauties. Hyperion, Vesta, Patricia, Rajah, Soudan, Serenade, Mikado, Linda and Wau-Hun. 1 each for \$3.50; 10 each for \$30.00. This is an early summer offer only.

MRS. LEONARD HOWARD  
Greenville, S. C.

**CANNA BULBS, \$5.00 per 100; \$40.00 per 1000.**  
Pennsylvania (orange and red), Red King Humbert (red), Yellow King Humbert (yellow), Hungaria (pink).  
BENTON COUNTY NURSERY CO., INC.  
Rogers, Arkansas

Yellow Gem Dahlias, \$12.00 per 100.  
Mixed Dahlias, \$9.00 per 100.  
BENTON COUNTY NURSERY CO., INC.  
Rogers, Arkansas

## EVERGREENS

	Per 100	Per 1000
<b>LINING-OUT STOCK.</b>		
Taxus cuspidata	\$20.00	\$180.00
1-yr., 2-in. pot.	25.00	225.00
1-yr., 3-in. pot.	35.00	325.00
Taxus intermedia		
1-yr., 2 1/2-in. pot.	20.00	180.00
1-yr., 3-in. pot.	25.00	225.00
Taxus media hicksii		
1-yr., 2-in. pot.	20.00	180.00
1-yr., 3-in. pot.	25.00	225.00
4 to 10 ins. tr.	35.00	325.00
10 to 15 ins. tr.	50.00	

COTTAGE GARDENS, Lansing 15, Mich.

**ROOTED EVERGREEN CUTTINGS**  
Per 100  
Cypress, Fletcher.....\$10.00  
Cypress, Cerula (Columnar Allumi)..... 8.00  
Cypress, Dwarf Golden (Threadbranch)..... 8.00  
Juniper, Irish (Festigata)..... 8.00  
Immediate delivery. Cash please.  
MITTSCH NURSERY  
Aurora, Ore.

## JUST ARRIVED FROM HOLLAND HEALTHY, HARDY IMPORTED LINING-OUT STOCK

	10 to 49 each	50 to 100 each
Acer Pal. Atropurpureum, 1-yr. T. layers, 10 to 15 ins.	\$1.35	\$1.35
Azalea Pontica (Hardy Ghent), named varieties, mixed colors, 2 to 3-yr. grafts, 10 to 12 ins.	1.50	1.35
Azalea Mollis Hybrida, named varieties, mixed colors, 2 to 3-yr. grafts, 10 to 12 ins.	1.50	1.35
Azalea Mollis J. C. Van Tol (clear red), Hugo Hardyzer (bright red), adiga, 8 to 10 ins.	.85	.75
Pieris Japonica (Andromeda), 12 to 15 ins.	1.35	1.25
Rhododendron Hybrida, Album Elegans, Catawbiense Bour-sault, Caractacus, Carvallo, Catawbiense Grandiflorum, Ever-estianum, Godman, Parsons Gloriosum, Parsons Grandiflorum, Lee's Dark Purple, Roseum Elegans, Roseum Superbum, Van der Hoop, Van Weerden Poelman, 2 to 3-yr. grafts, 10 to 12 ins.	1.50	1.35

For immediate shipment. A good buy of strong, healthy plants. Only the best shipped to us and to you. Not less than 3 of a variety in Rhododendrons. Please send cash with your order.  
JOHN VERMEULEN & SON, INC.  
Westbury, L. I. N. Y.

## CAMELLIAS, 2 1/2-IN. POTS.

Our next stock will be ready for shipment in June. These cannot be too highly recommended as plants that are grown for one purpose only, and that to supply our trade with Camellias that have been grown with exceptional care and attention. We have a good selection to offer, a few of which are listed here. Complete list on request.

Covina	25	Monarch	50
Clarke's Red	25	Rhapsody	50
Pink Perfection	25	Rose Queen	50
Valvareda	25	Bolen's No. 101	60
Purity	25	Brilliant	60
Briar Rose	40	Chandler Elegans	60
Hugh Evans	40	Dia Kagura	60
Jordan's Pride	40	Blood of China	75
P. Bacciochi	40	Pope Pius	75
Bella Romana	50		

Add 2c per plant packing charge.  
L. E. COOKE CO.  
417 Vista St. San Gabriel, Cal.

## LINING-OUT STOCK

	Per 100	Per 1000
Pachysandra Terminalis	\$4.00	\$40.00
Red Jap. Maple, pot gr. grafts	75.00	
Andromeda Jap. pot gr. R.C.	25.00	200.00
Taxus Cuspidata, 1-yr. bedded	15.00	125.00
Taxus Capitata, 1-yr. bedded	25.00	
Taxus Hicksii, 1-yr. bedded	15.00	125.00
Taxus Hatfieldi, 1-yr. bedded	17.50	150.00
Taxus Erevifolia, 1-yr. bedded	20.00	
Tauga Canadiana, 2-yr. tr.	7.00	60.00

Complete list of liners, including Azaleas, Rhododendrons, etc., on demand.  
VERKADE'S NURSERIES, Wayne, N. J.

## EVERGREEN LINERS

Pyramidalis Arborvitae, 1-yr., from 2-in. bands, \$15.00 per 100.  
Pfitzer Juniper, 2-yr., from 2 1/4-in. rose pots, \$20.00 per 100.  
\$9.00 per 100; \$80.00 per 1000  
Pfitzer Juniper Taxus Cuspidata  
Pyramidalis Arb. Taxus Brownii  
Woodward Globe Arb.  
Immediate shipment to states reciprocal with Lincoln.

THE HENRY NURSERIES, Henry, Ill.

## CAMELLIAS

Container-grown Camellias  
of proven merit exclusively.

J. S. TORMEY

Temple City, California

Wholesale Grower of the Best  
from the Far West.

## NEW INTRODUCTION

### AZALEA HINO-CRIMSON

Showy, clean, crimson-red, nonfading flower. Large, glossy, dark green foliage. Excellent forcer. A cross between Hinodegiri and Amoena and harder than Hinodegiri. Ask for color photo. From 2 1/4-in. pots, \$25.00 per 100; limit, 250. Cash with order.  
JOHN VERMEULEN & SON, INC.  
Westbury, L. I. N. Y.

## CORAL BELLS AZALEA

Rooted cuttings. Ready now.  
\$35.00 per 1000; \$4.00 per 100.

Cash with order.

## KRUSCHKE GREENHOUSES

Clackamas, Ore.

Write for our list of Azaleas, Rhododendrons and Boxwood.

## LEVICK NURSERY CO.

R. F. D. 3 Bridgeport, N. J.  
GARDENIA MYSTERY LINERS from 3-inch pots. FLORIDA NURSERY & LANDSCAPE CO., Box 97, Leesburg, Fla.

## STRONG ROOTED CUTTINGS

	Per 100	Per 1000
Taxus cuspidata	\$10.00	\$80.00
Taxus cuspidata erecta	12.00	100.00
Taxus intermedia	12.00	100.00
Taxus media hatfieldi	12.00	100.00
Taxus media hicksii	10.00	80.00

## THE COTTAGE GARDENS,

Lansing 15, Mich.

## AZALEA ROOTED CUTTINGS

100,000 Formosa and some other Indian varieties available for shipment after December 1. \$6.50 per 100, \$60.00 per 1000. No charges for packing.

FLORIDA NURSERY & LANDSCAPE CO.

P. O. Box 97 Leesburg, Fla.

## LINING-OUT STOCK

Blota Orientalis, 1-yr. seedlings 3 to 6 ins. Free packing, \$20.00 per 1000.

## EVERGREEN ACRES

U. S. Route 13, McDonough, Del.

P. O. Middletown, Del.

## FRUIT TREES

### HARDY GRAFTED NUT TREES

Crath, Carpathian, English Walnut, Black Walnut, Butternut, Heartnut. Orders for less than 10 not accepted. Price list on request.

## BERNATH'S NURSERY

R. D. 1 Poughkeepsie, N. Y.

## HARDY PLANTS

### ROOTED CUTTINGS OF HARDY MUMS

\$1.00 per 10.  
Aglow, Algonquin, Apricot Glow, Arctic Queen, Aurora, Autumn Lights, Autumn Grotto, Autumn Song, Autumn Tide, Autumn Sunlight, Avalanche, Aviator, Barbara Small, Betty, Bamb, Bonfire, Boreas, Bronze Cushion, Bronze Pyramid, Burma, Butterball, Calceit, Calendula, Charles Nye, Chippewa, Champion Cushion, Dahlia Mum, Dee Dee Ahrens, Dean Kay, Dubonnet, Drifted Snow, Duluth, Early Harvest, E. A. Guest, Echoes, E. A. Wander, Elbow, Early Joan Helen, Fireglow, Garden Queen, Glacier, Glomero, Greylock, Gold Treasure, Harbinger, Harmony, Heatherbloom, Ida Brewster, Irene, Lavender Lady, Lavender Lassie, Little Eskimo, Lode mine, Louise Schling, Mandalay, Maroon 'N Gold, Morning Glow, Mrs. C. R. Hastings, Monastic, Mrs. Du Pont, North Star, Olive Longland, Orchid Spoon, Pymy Gold, Pink Radiance, Pinescent, Pink Cushion, Pohatcong, Polar Ice, Primula, Purple Star, Queen Cushion, Red Bank, Red Gold, Red Hussar, Red Riding Hood, Robert Brydon, Redas, Red Wing, Red Velvet, Sam Williston, Sequoia, September Dawn, Santa Claus, September Song, September Sunshine, Sunbeam, Sundance, Sunkist, Sunny Boy, Sunred, Stalwart, Supreme Yellow, Tassia, The Chief, Thalia, The Moor, Tussock, Vivid, Violet, Waterlily, Welcome, Wm. Lowland, Yellow Cushion, Yellow Irene.

### ROOTED CUTTINGS, \$1.50 per 10.

Allegro, Courageous, Garnet, Glowing Coals, Hearthfire, Klondike Gold, Lola, Morning Star, Purity, Serene, Sienna, Simba, Southwind, Zantha.

## ENGLISH VARIETIES

**ROOTED CUTTINGS, \$1.00 per 10.**  
Alabaster, Alpink, Balcombe Gold, Bronze Buttercup, Bronze Freda, Bronze McLeod, Buttercup, Challenger, Cerise, Crimson Buttercup, Eldorado, Elite, Flashlight, Gold King, Gold Standard, Hector, Hildebrand Red, Leda, Maryland Dome, Mrs. Don McIvor, Mrs. T. Guthrie, Red Harlow, Sandy Ritchie, Scarlet Coast, Tiger, Vulcan, Westbourne.

### ROOTED CUTTINGS, \$1.50 per 10.

Alexander, Mason, Adoration, Avondale White, A. E. Cooper, Cyri Coleman, Crusader, China Gold, Dignity, Don Juan, Fovard, Geo. Barnes, Early Ace, Gladiator, Golden Security, Gladsome, Golden Dome, Harvest Moon, Henry Sutcliffe, Hoopoe, Jim Thorpe, John Baxter, LePacole, Mennon, Mrs. J. H. Miler, Orange Glow, Pink Freda, Working Bronze, Mrs. Smearson.

Per 100, 8 x the 10 rate.  
Price per each, 10c over the 10 rate.  
MCININCH GREENHOUSES  
St. Joseph, Mo.

## GYPHOPHILA BRISTOL FAIRY

Per 100 Per 1000  
Grafted, 2-in. pots.....\$20.00 \$180.00  
DELPHINIUM BELLADONNA IMPROVED  
August-sown field seedlings..... 2.50 15.00  
2-in. pots..... 6.00 55.00

## PACIFIC HYBRID DELPHINIUM

2-in. pots..... 8.00 75.00

## 2-IN. POTTED STOCK

	Per 100
Achillea Perry's White	\$8.00
Daisy Mt. Shasta	15.00
Daisy Shasta Supreme	10.00
Helianthus Loddon Gold	10.00
Physostegia Rosy Spire	10.00
Viola Jersey Gem	12.00

## HEAVY DIVISIONS

Daisy White Swan	5.00
Hardy Ageratum, E. coel.	5.00
Physostegia Rosy Spire	6.00

## STRATFORD GARDENS, Delaware, Ohio

### HARDY CHRYSANTHEMUMS

Send for our 1947 catalog.  
Cultural notes on cut flowers and pot plants.  
C. C. BRECE  
Rt. 2, Delaware, Ohio

## TRANSPLANTED PERENNIALS

Grown in field beds in sandy loam.  
 Aquilegia Longissima Hybrids, long- Per 100  
 east-spurred variety, in mixed colors  
 only ..... \$10.00  
 Carnation Super Giant, mixed colors;  
 flowers 1 1/2 larger than Chabaud..... 8.00  
 Delphinium Pacific Giant, grown from  
 Vetterli & Reineit's hand-pollinated  
 seeds. These are the finest available  
 in this famous strain. Round Table  
 Series only ..... 12.00  
 Primula Polyantha Pacific strain..... 10.00  
 A few larger ..... 12.00  
 Primula Polyantha Western Giant  
 strain ..... 10.00

## SEEDLINGS

Sown last summer, good roots.  
 Aquilegia, long-spurred Blue Shades... 3.00  
 Aquilegia Crimson Star..... 3.00  
 Coreopsis Sunburst, Double Gold..... 3.00  
 Coreopsis Mayfield Giant, single  
 golden-yellow ..... 3.00  
 Geum, Lady Stratheden, yellow..... 2.00  
**HARDY CHRYSANTHEMUM BARGAIN**  
 Rooted cuttings of about 60 varieties,  
 including many of the newer English ones.  
 All good cut flower varieties. Offered in  
 mixture only. A real bargain at \$45.00 per  
 1000. Less than 25¢ at 5¢ each. Minimum,  
 50.

## MITCH NURSERY

Aurora, Ore.

## PHLOX LINERS

\$2.00 per 100; Rheinlander, light salmon-  
 pink; Prime Minister, white, red eye; R. P.  
 Struthers, scarlet; Mrs. Harding, pink.  
 \$4.00 per 100; Eva Forester (Salmon  
 Beauty), pink, white eye; Pink Charm, salmon-  
 on-pink; Hauptmann Koehl, deep red; P. D.  
 Williams, light pink, deeper eye.  
 Delivery now. Packed in bundles of 50.  
 Minimum of one variety, 50.

## MCNINCH GREENHOUSES

St. Joseph, Mo.

## VINCA MINOR.

Good, strong, healthy plants, 8 to 12 in.  
 tall, 8 to 12 vines to a clump. Well packed  
 for shipment.

Clumps: \$10.00 per 100; \$95.00 per 1000.

SYLVANIA NURSERY &amp; PEAT CO.

New Galilee, Pa.

Send us your perennial want list.

Perennial price list now available.

## VITTNER'S GARDENS

Manchester, Conn.

Perennial Growers

## BLEEDING HEARTS

DICENTRA SPECTABILIS, 3 to 5 eyes,  
 \$40.00 per 100. DICENTRA EXIMIA, 3 to 5  
 eyes, \$20.00 per 100. Cash with order.  
 J. HENDRIKS, Grower, Portage, Mich.

## TRITOMA PFITZERI

Large divisions, \$3.00 per 100, \$75.00 per  
 1000.

## QUALITY GLADIOLUS GARDENS

St. Anne, Ill.

If you don't find what you want

try a Classified Ad

under the heading "Wanted."

It's cheaper than mailing out a want list.

## SEEDS

Overplanted on peach pits. Will June bud  
 and grow varieties desired under contract.  
 2 full acres. Reasonable. If interested, visit  
 or write.

PACK TRUE-TO-NAME NURSERY CO.  
 Box 457 McMinnville, Tenn.

PEACH PITS, southern-collected; high  
 germination. \$3.00 per bu. Fruit trees; Shrubs.  
 RIVERDALE NURSERIES, Riverdale, Ga.

## SHRUBS and TREES

	Per 100
Viburnum Carlesii, 2 1/2-in. pots.....	\$30.00
Viburnum Burkwoodi, 1-yr., field, tr.....	45.00
Andromeda Japonica, rooted cuttings.....	11.00
Andromeda Japonica, tr., in flats.....	20.00
Taxus Hicksi, rooted cuttings.....	8.00
Taxus cuspidata.....	7.00
Taxus brevifolia.....	5.00
Azalea Kaempferi Hybrids, 1-yr.,	
in flats.....	11.00
Ilex Latifolia, rooted cuttings.....	6.00
Hydrangea Serrata, 1-yr., field.....	10.00
Forsythia Primulina, 1-yr., field.....	10.00

## MAURICE VIETTE

21 Roosevelt Ave., Huntington St., L.I., N.Y.

## FIELD-GROWN ROSES

Northern-grown, No. 1

Christopher Stone, Golden Charm, Etiole  
 de Hollande, Caledonia, Talisman, Pres. Her-  
 bert Hoover, McGredy, Grenoble, Poinsettia,  
 Sunburst.

Do not confuse these with cheap southern  
 roses. Individually wrapped for counter  
 trade. No less than 100 in any colors. Cash  
 with order. No packing charges, \$49.00 per  
 100. F.O.B. Cincinnati. Immediate shipment.  
 D. RUSCONI SEED CO.

124 W. 6th St. Cincinnati 2, O.

LILACS, French Hybrids and Standard  
 varieties. One-year grafts, best flowering  
 varieties. \$25.00 per 100, \$250.00 per 1000.

## DEERFIELD NURSERIES

Deerfield Street P. O., N. J.

ROSES FOR BENCHING for January,  
 1948, delivery. Most economical way!  
 GROWN IN SAN JACINTO VALLEY, CAL.  
 You supply the buds; we deliver the plants  
 in January, 1948. Have only 10,000 to 15,000  
 grade-A Manetti left. Hurry and Contract  
 Now!

## P. J. BOOY NURSERIES

Mendham, N. J.

## P. J. BOOY NURSERIES

Route 1, Box 197, San Jacinto, Cal.

PRIVET, CALIFORNIA—1-yr., heavily  
 branched.  
 Per 1000  
 18 to 24 in.....\$50.00  
 24 to 30 in..... 60.00  
 Row-run, 15 to 30 in..... 40.00  
 Discount on quantities. Over 5000 shipped  
 free by our truck within 150-mile radius.

## EVERGREEN ACRES

U. S. Route 13, McDonough, Del.

P. O. Middletown, Del.

## MULTIFLORA ROOT STOCKS

1 to 2 mm., \$10.00 per 1000.

30,000 available.

## BROWNELL ROSES

Little Compton, R. I.

## Surplus Stock

can be easily and quickly turned into

Cash

listing it in the

American Nurseryman Classified Ads.

## VEGETABLE ROOTS

## WASHINGTON ASPARAGUS ROOTS

3-yr., immense, for store trade, \$22.00 per  
 1000. \$3.50 per 100.  
 2-yr., special price, \$11.00 per 1000, \$2.00  
 per 100.

1-yr., \$3.00 per 1000, \$1.25 per 100.

Remember that New Jersey grows more

fresh Asparagus than any state except Califor-

nia.

## WARREN SHINN, Woodbury, N. J.

Horse-radish Crowns, 1-in. and up, 4¢ ea.

\$3.00 per 100.

Sage Plants, heavy, 2-yr., No. 1 plants,

10¢ ea.

Asparagus, \$1.50 per 100; \$12.50 per 1000.

BENTON COUNTY NURSERY CO., INC.

Rogers, Ark.

## HORSE-RADISH ROOTS

Whole Crowns, \$3.75 per 100.

Roots, \$11.00 per 1000.

New Jersey-grown; none better flavored

anywhere.

## WARREN SHINN, Woodbury, N. J.

## HERBS

Tarragon, Mints, Sage, Thyme, Lavender,  
 Twinkle's Purple Lavender, Lemon Balm,  
 etc. 1-yr., 25¢ each; 2-yr., 50¢ each.

## WARREN SHINN, Woodbury, N. J.

## CHIVES

\$1.00 per doz., \$6.00 per 100, \$40.00 per  
 1000. Other Herbs. List sent.

## WARREN SHINN, Woodbury, N. J.

## MISCELLANEOUS

Priced per 100; 25 same rate.  
 Hemerocallis Dr. Regel, Flava, Kwano,  
 \$5.00, Fulva, \$3.00; Funkia Lancolata, \$5.00;  
 ground covers, variegated Ivy, Phlox Subu-  
 lata Rosea, white, orchid, \$1.50; Sedum Coc-  
 cinum; Acre; 5 others, names lost, \$1.00;  
 Hall's Japanese Honeyuckle; Veronica, tall  
 and creepers, \$1.50; Lily of the Valley, \$1.25,  
 \$10.00 per 1000; White Siberian Iris, \$3.00,  
 Mixed Jap., \$5.00, German, \$1.00. Please order  
 from this ad; no list.

R. R. 2 C. HUNT'S NURSERY Mishawaka, Ind.

## FLOWER SEEDS—SOIL HEATING

Special stocks of California flower and bulb  
 seeds. General Electric soil heating units.  
 Write, RANSOM SEED CO., San Gabriel,  
 Calif.

## SUPPLIES

## PROPAGATING KITS FOR GROWERS

Again available for propagating benches in  
 the following units complete with soil therm-  
 ostat, pilot lamp, all-glass thermometer, and  
 long-life HEATSUM CABLE, the product of  
 13 yrs' research in our greenhouses.  
 Unit Sq. Ft. Wattage Voltage Length & Price

Heated	No units
"A" 20 200 120 1—60 ft....	\$14.95
"B" 40 400 120 2—60 ft....	18.85
"C" 60 600 120 3—60 ft....	23.50
"D" 80 800 120 4—60 ft....	27.65
"E" 150 1500 120 1—500 ft....	32.70
"F" 300 3000 240 1—1000 ft....	62.50

For Stainless Steel instead of glass soil

thermometer with any of the above kits, add

\$2.75.

Stainless Steel Soil Thermometer....\$4.75.

All prices F.O.B., Seattle.

L. N. ROBERTSON, CO.

1539 East 103rd St. Seattle 55, Wash.

## KNOCK-DOWN FLATS

Made from a good grade of Southern Yel-  
 low Pine, since Cypress is not available.  
 Standard specifications, inside measurements.  
 16x12x2 1/2 ..... \$16.25 per 100  
 16x14x3 1/2 ..... 20.50 per 100  
 20x14x3 1/2 ..... 20.00 per 100  
 20x14x3 ..... 23.00 per 100  
 22 1/2 x15x3 1/2 ..... 22.00 per 100  
 22 1/2 x15x3 ..... 26.00 per 100  
 All other sizes quoted on request. Prices  
 F.O.B. Birmingham.

We are manufacturers, not jobbers. Freight  
 to any point is a small item per Flat. Our  
 Flats are the best. Why pay more? Our  
 quality guaranteed. Prompt shipment, any  
 quantity. Attach check to order.

## HIGHTOWER BOX &amp; TANK CO.

Birmingham, Ala.

## FINE-SCREENED DOMESTIC PEAT.

Acid pH 4-8. Some Nitrogen.

Our peat is excellent for lawns, cold-  
 frames, perennial seedbeds and preparing  
 soil for evergreen and shrubby plantings.  
 Per 2-bu. bag  
 1 to 4 bags.....\$2.00  
 5 to 24 bags..... 1.00  
 25 to 49 bags..... .95  
 50 to 100 bags..... .90

Write for price on bulk carload. We ship  
 same day order is received. Order early.  
 Cash, please.

## HAASE BROS.

116 S. Jefferson St. Peoria, Ill.

## REDWOOD TUBS

Ornamental, excellent for Camellias, Palms  
 and other large plants. 12-sided tubs, mitred  
 to fit tight. Surfaced inside and out; all pieces  
 firmly held by 2 galvanized steel bands.  
 Heavy material, no nails used in construction.

10-inch.....	\$1.00
12-inch.....	1.40
14-inch.....	1.80
16-inch.....	2.10
20-inch.....	2.95

## L. E. COOKE CO.

417 Vieta St. San Gabriel, Cal.

## MICHIGAN PEAT

Nature's finest, rich peat humus.  
 High nitrogen content makes it a "must"  
 for you. Used by leading growers for over  
 30 years. ECONOMICAL. BE CONVINCED,  
 order HUGE 100-lb. burlap bags today.  
 2 to 19 bags.....\$1.55 each  
 20 to 99 bags..... 1.50 each  
 Bargain prices on bulk cars, truck loads or  
 bagged cars. Prices F.O.B. Capac, Mich.  
 AMERICAN SOIL SPONGE SELLING CORP.  
 267 Fifth Ave. New York 16, N. Y.

## PROFIT WITH PERF-O-RAIN.

Rain when you want it—Low pressure—  
 Rectangular strip watered—No overlap—No  
 sprinkler heads or other gadgets—Portable  
 lightweight pipe—Long life. Write for free  
 folder. W. R. AMES COMPANY OF FLOR-  
 IDA, 2906 E. Broadway, Tampa 5, Florida,  
 or W. R. AMES COMPANY, 150 Hooper St.,  
 San Francisco 7, Cal.

## SPHAGNUM MOSS

Wisconsin's Quality Sphagnum Moss  
 Clean, long-fibered, solidly packed in bur-  
 lapped or wired bales of standard size.  
 None better.

Trucked when feasible.

WARRENS MOSS CO., Box 7, Warrens, Wis.

## GIBRALTER Frost Covers pay for them-

selves. Economical, long-lasting, ideal for  
 windbreaks, 6 ft. wide; 60 ft., \$13.75; 100 ft.,  
 \$26.00; 150 ft., \$39.00. NEW AMSTERDAM  
 IMPORT, 122 Chambers St., New York 7, N.Y.

## BUDDING STRIPS

Best Natural Rubber. All sizes for rose-  
 bushes, fruit trees, etc. Quantity price as low  
 as 82¢ per lb. Free Samples.  
 THE M. CONLEY CO., Canton 1, Ohio.

## PRINTING

Letterheads, billheads, statements, cards,  
 envelopes, tags, blotters, folders, catalogs,  
 samples. Send copy for estimate.  
 J. GARLAND HILL, Dept. A, Seaford, Del.

## KEMP SOIL SHREDDER

Practically new, used less than 10 hours,  
 will sell for \$75.00, delivered.  
 LUTHER P. CREESE NURSERIES  
 Catawissa, Pa.

Plan your classified ad now

for the

A. A. N. Pre-Convention Issue.

Last forms close June 30.

## WANTED

## WANTED

Juniperus Glauca, 2 to 3 ft.  
 Juniperus Canari, 2 to 3 ft.  
 Blue Spruce, 2 to 3 ft.  
 Pinus Mughus, 8 to 10 in.  
 Bare Rooted.  
 C. S. LEONARD  
 Central Hotel Leavenworth, Kan.

## WANTED

Will pay a good price for Evergreen Grafts,  
 lining-out size.

JOHN SCHRICK NURSERY  
 Box 23 Overland 14, Missouri



### PROGRAM FOR MAINTENANCE SERVICE.

[Continued from page 9.]

complete list of tools and equipment to serve as a check against your memory. It is not wise to be classed in the same category as the plumber in the joke we often hear, who arrives on the job without some of his tools and on the client's time has to run back to the shop to pick up the necessary equipment to finish the job. It would seem to me to be good business to have a check list for various types of maintenance units tacked to the tool shed door and have the crews check against this list before driving off to the job on some distant estate.

#### Sources of Data.

Having decided for what units you wish to formulate a work program, begin to write a year's outline by months, listing each operation as it comes to mind under the proper season. When you can no longer think of further work activities, turn to the available literature for help.

I know of no single book which covers these activities from our viewpoint. S. Ortloff and H. B. Raymore have written a book, "Garden Maintenance," for the amateur home gardener. A. D. Taylor's book, "The Complete Garden," has a helpful chapter entitled "Maintenance." H. H. Hume's book, "Gardening in the Lower South"; "The Maintenance of Shade and Ornamental Trees" by P. P. Pirone; Massey's "Garden Book for the Southern States"—all these are good, but none is complete in itself for our purposes.

In periodicals the best material can be found in Horticulture, where a semimonthly program is published in each issue. Professor Bowden publishes a page in Garden Gateways entitled "This Month in Georgia Gardens." House and Garden and House Beautiful publish garden calendars for each month. Hastings publishes an attractive little paper entitled Gardening.

By glancing through the multitudinous array of magazines on the market pertaining to horticulture and gardening, you will find all sorts of items to clip on this and closely related subjects, such as tree and shrub ailments, spray calendars and garden implements. Do not make the mistake of thinking all this material is too much of an amateur nature for us to bother with. By careful reading and gleaning you may acquire a prodigious amount of information. It will not be found all at once, of course, but if sought after in a leisurely way evenings or in spare moments,



### BIG HAND TRUCK

\$112.50 F.O.B., K.C., Kan.

THE GARDEN SHOP, INC.

4819 Mission Rd.

Kansas City 3, Kan.

## BIG NURSERY HAND TRUCK

40-inch Ball — 1500 lbs.

New equipment to save time and labor. Handle heavy jobs easier, faster, with fewer men. Get into places otherwise inaccessible to heavy equipment without tearing up lawns.

We are now giving immediate shipment on this big hand truck.

#### SPECIFICATIONS

- Specially designed curved nose.
- Electrically welded—strong, sturdy.
- Equipped with three 4-ply 16-inch tires.
- Over-all width, 45½ inches.
- Over-all height, 7 feet 9 inches.
- Weight, 175 lbs., including 10-ft. chain.
- Attractive, professional appearance.

a complete stock of nursery twines ★



**GEO. B. CARPENTER & Co.**  
440 NO. WELLS STREET • CHICAGO 54

"SINCE 1840"

and all of the best

Need we say more? It has always been our aim, and always will be, to supply the required needs with the best twines the market has to offer.

### GOODRICH RUBBER BUDDING STRIPS

Prewar quality.

Made from natural rubber.

Eleven sizes available.

Immediate or later delivery.

Samples and prices on request.

**WILLIS NURSERY CO.**

Ottawa, Kansas

### S A W S

Push stroke, 24-inch-5 point  
Pull stroke, 18-inch, pistol grip handle  
24-inch, reinforced handle.  
16-inch, pole saw blade.  
Extra handles for above  
and speed saws.

LEATHER SCABBARDS for above  
saws, speed saws, and others. (Send  
outline of saw.)

PRUNER HEADS — No. 1 Seymour  
Smith.

LEATHER HI-TOPS—16-in., E width,  
6 to 12 sizes.

TWO-WHEELED ALL-STEEL TRAIL-  
ERS—Advantages over any other  
made.

LEATHER SAFETY SADDLES.

*Karl Kuemmerling, Inc.*

1021 Renkert Bldg., Canton 2, Ohio

I know from experience you can assemble a valuable file of material.

A considerable proportion of this information is written for sections of the country other than our own, but with some adjustment it is not difficult to apply the maintenance operations to our own seasons. There is also the fact that seasons vary considerably; so often I list the same work for several succeeding months in order that the item may serve as a check against oversight. We know, further, a task continues or can be done a little at a time over a period of many weeks, and for this reason also the item should appear several times in succeeding monthly calendars.

#### Sample Memoranda.

To illustrate several of these points for you, let me read a number of examples from my own notes. Observe that I do not simply write down a bald statement, but amplify it in an easy conversational style. Such statements generally contain more information than a cold fact and help recall to mind other ideas of a similar nature.

From my September notes for Athens, Ga.: "Azaleas, boxwood, camellias and other valuable shrubs should have careful attention this and next month because of the dry soil and atmospheric conditions. These plants should be watered heavily approximately once each week in the absence of rainfall, in order to carry them through this period without injury. Do not water daily, as this tends to stimulate the plants into growth, but emphasis should be placed on heavy watering once each week. New growth created at this time on any plant is very subject to winterkill. The water should be applied in the late afternoon and the ground thoroughly wet."

Here are some other random notes also: "Trees best transplanted in the spring include beeches, magnolias, tulip trees, sweet gums, Japanese maples and large-flowering dogwoods. Shrubs to move now are althaeas, flowering almonds, firethorns and ornamental cherries and peaches. In preparing shrubbery borders, dig deeply and put a well balanced plant food or well rotted compost deep in the soil. Keep all newly transplanted material well watered as the season advances."

Once again: "Peonies that have in the past been troubled with botrytis blight may be kept healthy by removing the soil from around the crown of each plant, trimming off all dead stalks and then filling in around the crowns with fresh soil covered with sand. Spray the young peony



**EFFECTIVE  
ECONOMICAL**  
*Pest Control*

## *with a* **ROOT POWER DUSTER**

### ... CROP ENGINEERED TO YOUR NEEDS

ROOT Power Dusters are built to meet hard usage. Fan shaft supports and self-aligning bearings are designed for dawn-to-dusk operation. Air blast is geared to highest velocity consistent with size of machine. A new, positive feed screw, working with mechanical agitators, conditions the dust to a fine particle, dense, penetrating cloud of protective materials. The extreme turbulence developed in the dust stream produces a static electrical accumulation which attracts and helps stick the dust particles to the foliage.

YOURS FOR THE ASKING... A copy of NACO's newest catalog-bulletin offering ROOT Dusters. It is designed to make appropriate choice easy if you seek full efficiency and safe, effective economy in pest control equipment. Three basic sizes are described... crop-engineered to cover all pest control conditions. Ask your implement dealer for a copy... or write direct... without obligation.

#### "ANOTHER NACO PRODUCT"

The complete line of ROOT Dusters includes:  
Plunger, NAP-SAK, Crank, Traction, Saddle, Engine Power and Power Take-off Models. Also, there is a ROOT All-Purpose Spreader for fertilizers, insecticides, grass seed, for golf courses, parks, estates.



**NACO MANUFACTURING CO.**

(FORMERLY ROOT MANUFACTURING CO.)

7631 Roseberry Ave. (P. O. Box 310) Huntington Park, Calif.

EASTERN BRANCH: 285 West Trigg Avenue • Memphis 2, Tennessee  
NORTHWESTERN BRANCH: Portland, Oregon

stalks as they grow with Bordeaux mixture."

I could continue indefinitely with similar examples for specific places and proper months in the year. Backed by data such as these or its equivalent information I believe that there is a large, unexploited field awaiting those with a little initiative. Such an opportunity would be a landscape maintenance or contracting service operated as an independent enterprise or, better still, in conjunction with a nursery business.

#### FEDERAL JAP BEETLE QUARANTINE REVISED.

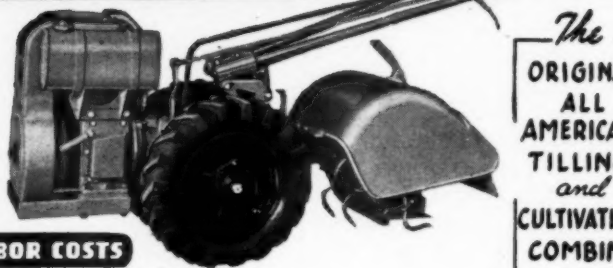
Revision of the Japanese beetle quarantine area to include all or parts of ten additional counties in Maryland, New York, Ohio and West Virginia and modifications of the regulations covering inspections of fruits and vegetables for Japanese beetles were announced May 14 by the United States Department of Agriculture. The new regulations become effective upon publication in Federal Register.

Soil treatments applied in many areas where Japanese beetle infestations were discovered in 1946 at points outside previously known infested areas have made it possible to limit the extension of the area regulated on account of that insect, according to Dr. P. N. Annand, chief of the bureau of entomology and plant quarantine. Also, new treatments of materials in transit have allowed a simplification of the present fumigation treatments.

Beetles were trapped last summer in 105 communities outside the regulated areas. Soil treatments applied in cooperation with state plant pest authorities at points where infestations were established are adequate to prevent spread from all but a few of these infestations. This made it possible to confine additions to the lightly infested regulated area to parts of St. Marys county, Maryland; Oswego and Seneca counties, New York; Washington county, Ohio; Greenbrier, Monroe, Summers and Wood counties, West Virginia; all that part of Berkeley county, West Virginia, not previously in the regulated area and the entire county of Morgan in West Virginia. The quarantined area now includes all or parts of fourteen eastern states, including New England, New York, New Jersey, Delaware, Pennsylvania, Maryland, Virginia, West Virginia and Ohio.

Regulations covering the certification of fruits and vegetables during the summer flight of the adult beetle

## ARIENSTILLER



*The*  
**ORIGINAL  
ALL  
AMERICAN  
TILLING  
and  
CULTIVATING  
COMBINE**

#### CUT LABOR COSTS

#### GROW BETTER PLANTS

Here is the perfect all-purpose tilling and cultivating combine for the nurseryman. It harrows as it discs as it plows, producing in ONE operation a properly prepared seed bed, thoroughly aerated with the pulverized soil

shredded and evenly mixed. No large soil chunks to retard plant growth . . . can be operated in wet or dry seasons . . . handles very easily in small spaces. Models to meet your needs. For complete details and name of distributor write

**ARIENS COMPANY · BRILLION WISCONSIN**

## Root-Producing Powders

So economical no cutting should be made without using them.

### Hormodin

No. 1—For most softwood and easy items.

1 3/4 oz., \$0.50; 1 lb., \$3.00.

No. 2—For more difficult subjects.

1 3/4 oz., \$0.75; 1 lb., \$4.50.

No. 3—For all hardwood and the most difficult subjects.

1 oz., \$1.00; 1/2 lb., \$4.50.

Combination Package — Contains generous samples of all three powders. \$0.75.

### Hormo Root

Root-producing powder combined with fungicide to protect against rot while in the rooting medium.

A.—For softwood and easy items.

2 oz., \$1.00; 1/2 lb., \$2.75; 1 lb., \$5.00.

B.—For easier evergreens and more difficult shrubs.

2 oz., \$1.25; 1/2 lb., \$3.50; 1 lb., \$6.50.

C.—For the most difficult items.

2 oz., \$1.50; 1/2 lb., \$4.50; 1 lb., \$8.00.

## SOMERSET ROSE NURSERY, INC.

P. O. Box 608,

New Brunswick, N. J.

### PLATE BOOKS

Fine Color Lithograph Plate Books

Send for circular.

B. F. CONIGISKY

202 Main St.

Peoria, Ill.

have been changed to permit more flexibility in the selection of appropriate treatments as a means of certifying these products. This will permit modification of treating procedures to take advantage of the results of research that develops new and simplified methods which are found effective in killing beetles. The most recently devised procedure is an inexpensive treatment which may be applied to empty refrigerator cars or those loaded with certain vegetables.

A mandatory requirement for the screening of refrigerator cars and

Mention The American Nurseryman when you write.

### SHAPE & TRAIN EVERGREEN TREES THIS NEW EASY WAY

Use the PERFECTRIM TREE SHAPER. A guiding tool for shaping Evergreen Trees and Hedges. With this Shaper anyone can trim an Evergreen Tree in 10 minutes or less without previous experience. Simply place Shaper under tree with fork against tree trunk and rotate it around tree with your foot leaving both hands free to operate shears or other cutting implement. Eliminates need for strings, stakes and long distance sighting. Adjustable any size or shape for trees up to 10 feet tall.

**BEETS-INC.**

P. O. Box 937, Dept. Z-1, Lansing, Michigan



# QUICK, SURE ROOTING MEANS MORE PROFIT

## WHERE AND HOW TO USE TRANSPLANTONE

Treat broad and narrow leaf evergreens, deciduous trees and shrubs. Soak the soil around the roots when planting or soak bare-root plants overnight in a barrel of the solution before replanting. The treatment will not interfere with proper hardening of the wood before winter.

It pays to use Transplantone solution when transplanting shrubs and trees. Transplantone-treated shrubs and trees suffer less from shock and wilt, fewer of them die, *more* of them start active growth *sooner*.

## A LITTLE TRANSPLANTONE GOES A LONG WAY

One pound of Transplantone makes 160 gallons of solution for treatment of trees and shrubs or 1600 gallons of solution for seedlings and soft-tissued plants.

Reg. U. S. Pat. Off.  
**TRANSPLANTONE**

A 3-oz. can of TRANSPLANTONE costs \$1.00

A 1-lb. can of TRANSPLANTONE costs \$4.00

Write today for our special terms to nurserymen.

AMERICAN CHEMICAL PAINT COMPANY

Ambler, Pa.

motor trucks has been removed. This is possible since a newly developed treatment will provide adequate protection to vehicles from infestation that may occur as they are moved through areas where adult beetles are present in large numbers. The regulations, however, still include a provision for requiring adequate protection from reinfestation when neces-

## OHIO NURSERYMEN BACK JAPANESE BEETLE PLAN.

There was a good turnout of nurserymen from all parts of Lake county, Ohio, at a special meeting held in the extension office at Painesville, May 2. This meeting was called in the interest of Japanese beetle control.

John Baringer, chief of the division of plant industry, Ohio department of agriculture, Columbus, addressed the group. He said recent results from airplane dusting with DDT on a small field at Newark, O., had yielded such satisfactory results that nurserymen should be encouraged to try out the plan on a large scale in Lake

The area in Lake county to be covered is 3,000 acres, located in Mentor township and the west end of Painesville township. The idea of the program is twofold: First, to eradicate the Japanese beetle, and

## DOING THE WORK OF THREE MACHINES!



## ROTOTILLER\* plows, discs, harrows in one operation!

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Please send me additional information about:  
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\*Trade Mark Reg. U. S. Pat. Off.  
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FRAZER FARM EQUIPMENT  
Graham-Paige Motors Corp., Willow Run, Mich.

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 30/30/30 Creped or Crinkled Waterproof Paper  
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 30/30/30 Creped Waterproof (4-inch) Tree Wrap

1-Ply Medium Mexican (Henequen) Sisal Twine  
 2-Ply Fine Mexican (Henequen) Sisal Twine  
 5-lb. balls 150-lb. bales  
 Also 50-lb. single end reels

Write for samples and prices.

### EAGLE WRAPPING PRODUCTS CO.

*Packing and Shipping Supplies for the Nurseryman*

**312-330 North Carpenter Street**

**Chicago 7, Ill.**

second, to push the federal quarantine line back out of Lake county. "If the plan is successful, and it should be, nurserymen can be certified to ship out their stock," Mr. Baringer said.

Estimated cost, including materials and labor, will be \$8.25 per acre, and two applications are proposed. The nurserymen unanimously voted that the plan be carried out, and those present subscribed \$2,400 for the largest-scale DDT application to eliminate the Japanese beetle ever attempted in Ohio.

Cooperating in the plan will be the United States Department of Agriculture and the Ohio department. Funds to carry on this program will be furnished by the latter, but the nurserymen felt that by making a contribution to the program, more acreage could be covered. Mr. Baringer said he could not state how much the federal department would pay, but with so much enthusiasm shown by the Lake county nurserymen, he was confident that it would assist.

There are two methods for DDT application in large projects—the use of a new type of mist gun, utilizing a concentrated form of chemical, two gallons to an acre, or airplane dusting. The latter was considered more practical, although it was said there would be some use of the mist gun.

The committee previously appointed by Thorne Brewster, president of the Lake County Nurserymen's Association, to work on the beetle project will continue to work on the plan. The members are Henry Kohankie, chairman; Barrett Cole, Gerard Klyn, Steve Allen, Jr., and Paul Schumaker.

Since the meeting, all licensed nurserymen of Lake county have been contacted, and there has been a fine response. Many more contributions have been received which will make the figure mentioned above considerably higher. It is evident that

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**98% ORGANIC Matter**

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Better equipped than ever to serve you. Fine dry or medium wet grades, packed in 100-pound bags or bulk cars. Samples, analysis, and rates furnished on request.

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Ten days' trial will convince you that Paragon Sprayer No. 3 will do your spraying and whitewashing better, faster and easier or it will cost you nothing. Oversize air chamber maintains higher pressure—more uniform spray. Longer pipes and hose reach greater area from one position. Compact truck stands steady on uneven ground; can't jam in narrow places; extra-wide metal wheel rims prevent cutting into turf. Continuous agitation keeps solution from settling in container or clogging strainer and nozzles. Equally effective with any spray, insecticide, disinfectant or water paint anywhere, any time.

Complete with pipes, hose and nozzles, \$29.95. Air gauge, \$2.60 extra. 12-gallon capacity. One-wheel truck if specified.

If your dealer does not handle Paragon Sprayer No. 3 check the coupon and mail direct to us.



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# formula for a rose-y future



## CLOVERSET CLOTRACIDE

REG. U. S. PAT. OFF.

### ROSE SPRAY POWDER



... the rose spray developed BY a nurseryman for use in protecting his own roses. So eminently successful that it now is sold by large and progressive dealers throughout the country, CLOTRACIDE contains all the necessary chemicals for the control of Black Spot, Mildew and other fungus diseases, as well as leaf-eating worms and insects, such as rose slugs, which skeletonize foliage. Easy to use—just add water. Complete instructions on each package.

#### AVAILABLE IN 3 SIZES

50c size costs you .30c—\$3.60 per case, to sell for \*\$6.00. 50c size makes 5 gallons spray.

85c size costs you 51c—\$6.12 per case, to sell for \*\$10.40. 85c size makes 10 gallons spray.

\$1.50 size costs you 90c—\$10.80 per case, to sell for \*\$18.00. \$1.50 size makes 20 gallons spray.

\*Suggested selling prices.

Packed 1 dozen packages to a case, F. O. B. Kansas City.

Send for Sample!

Send 25c (to cover cost of packing and mailing) for 50c size of CLOTRACIDE.

**WHOLESALEERS!** inquiries invited

#### A FINE PROFIT FOR YOU!

Sell Clotracide to every one of your rose customers—it's a highly profitable tie-in item. Clotracide's low price per gallon and attractive new package make a fast turnover for you.

## CLOVERSET FLOWER FARM

ERNEST HAYSLER & SON

105th Street and Broadway, Kansas City 5, Mo.

all nurserymen in the county are vitally interested in this program and are eager to cooperate to the fullest extent.

Margaret Sessler, Sec'y.

#### PLANT NOTES.

[Continued from page 18.]

If hardy it would make a splendid garden ornament, not only for its bright crimson flowers in spikes five to eight inches in height, but also for its wavy-toothed linear leaves which assume bright hues in autumn. It grows from a tuberous rootstock, which suggests one method of increase.

Geranium Argenteum.

A friend of this department, who has just received a packet of seeds of Geranium argenteum from a European source, wonders why hardy geraniums are so hard to find. To which I reply that experience with most kinds (all kinds that I know, except the weeds) shows that few seeds are produced. And that means seeds are not ordinarily a part of commerce. He also wonders which of two reports—one in which the plant is called difficult or the other in which it is classed as easy—is correct.

One of the loveliest of geraniums



FOR ACID SOIL PLANTS

## RELIANCE

*Azalea and Camellia*  
**SPECIAL**

#### FOR ROSES!

Exceptionally Fine Results are obtained with this Specialty Plant Food where Roses are grown in soils having good drainage and high humus content.

**The RELIANCE FERTILIZER CO.**  
SAVANNAH, GEORGIA

#### ATTENTION NURSERYMEN!



### IMP. SOAP SPRAY

Use 1 part with 25 to 40 parts of water

Ask your nearest seedsman, or write for literature.

THE AMERICAN COLOR AND CHEMICAL CO.  
170 Purchase St. Boston, Mass.

## WOOD LABELS

For Nurserymen

DAYTON  
FRUIT TREE LABEL  
CO.

Ray and Kiser Sts. DAYTON, O.



is the little silver-leaved mite, *G. argenteum*. The general make-up of this crane's-bill provides one of the best of all alpine plants and one, at the same time, which can be trusted in the hands of the inexperienced gardener, with the assurance that it will give a good account of itself. It is composed of a tuft (ample in old age) of silvered leaves, a lovely ornament from spring until winter, over which in early summer shine a generous number of pink salvers. Pink must be accepted as a general term, for the flower color varies quite a bit, running all the way from blush-pink to near magenta. This variation makes it difficult for the grower, because it means waiting until the desirables can be segregated or running the risk of selling a rose-pink or near-magenta to clients who dislike those shades.

In common with most geraniums, *G. argenteum* resents disturbance except in its youthful stages, another fact which makes it difficult for the conscientious grower. When we were growing geraniums in quantity, we followed this schedule: In early spring, selected plants gave us cuttings (tiny tufts rubbed off with a heel), which were rooted in sand indoors. When well rooted they were transferred to thumb pots of sandy soil (the ordinary garden soil with about one-fourth leaf mold added) and later transferred to 2½-inch pots, when growth demanded. If these pots are plunged into a sphagnum bed, the plants need little, if any, more care than others grown in open soil.

For some unaccountable reason, the plant is spoken of in some quarters as being difficult, or short-lived at the best. Experience here in northern Michigan for a quarter of a century tells me nothing could be farther from the truth, as far as this climate is concerned. Given a deep soil, well drained, with grit and enough humus to carry it through an ordinary dry period, full sun and protection from the cold winds of spring after its new, tender growths make their appearance, there is no more permanent plant of equal merit in the entire list of alpine.

#### Thoughts on Paved Walks.

A recent inquiry about plants for paved walks started me thinking about the subject, with the following results.

Looking through lists of plants for paved walks, one is forced to the conclusion that the planting, or rather the plants, is generally given more consideration than the travelers who will be using the path. If you do not

## AUTOMOTIVE TREE MOVERS



The above is a picture of one of our 7-foot Rocker Type Tree Movers, owned and operated by the Laur Shade Tree Service, St. Louis, Mo. The tree is a large sugar maple weighing slightly more than five tons. This is the third mover purchased from us by this company.

On short hauls it is possible to move five or six big trees within a day's time. We can use this mover as a crane to load trailers or other trucks for longer hauls.

Place your order early so that you will not be disappointed as all steel stocks are scarce and our production is limited. Write for further information.

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**RA·PID·GRO**  
See results in 24 HOURS  
HUSKIER PLANTS... that yield  
BIGGER AND BETTER FLOWERS...  
FRUITS... VEGETABLES...



**makes  
fibrous roots,  
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**SELL IT TO YOUR CUSTOMERS** — Saves thousands of dollars in replacements. Brings repeat business in both stock and Ra-pid-gro from satisfied customers. A real good-will ambassador.

**FEED IT TO YOUR STOCK** — Feed your stock while it is growing. Produces stock that will live when transplanted. Ra-pid-gro is economical, only twenty pounds to the acre.

**IMMEDIATE RESULTS... DOUBLES GROWTH ON BUDS**

**Write for discounts to the trade.**

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**FULLER  
WHEEL HOE**  
MULCHES, WEEDS,  
CULTIVATES  
Light yet efficient. For close work in rows. Adjusts to operator's height. 6-ft. ash handle; standard 9 ¼ -in. bushed wheel; tool steel blades 6 to 14 ins. wide. Weight, 10 lbs.

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Costs less.  
Weighs less.  
Lasts longer.  
Does more work.  
Best by 46 years' test. Dealer inquiries invited.

**FULLER  
WHEEL HOE CO.**  
So. Hamilton, Mass. Catalog

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**SPECIAL SYSTEMS**, for all species of trees. Don't let Lightning Destroy what takes a century or two to make a beautiful friend. Sold through arborists or our representatives.

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Valuable properties are slow and costly to replace. Stop lightning fires by installing ELECTRA SYSTEM. Better than 99% efficient. Reduces insurance rates in most states. **PROTECT NOW BEFORE IT'S TOO LATE.**

Write for name of local representative.

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Dept. AN 11 North Pearl St., Albany 7, N. Y.

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No. N-8—3-oz. cans, each.....\$1.00  
 No. N-9—1-lb. cans, each.....4.00

**WEATHERPROOF  
— PAPERS —**

Costs less than burlap. For wrapping plants, shrubs, trees, etc. Two sheets of weatherproofed kraft paper duplexed or cemented together with asphalt. Makes clean neat bundles.

☞ Samples sent upon request.

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Each roll contains 200 lineal yards.	Weight	Per roll
No. N-124—36-inch	approx. 110 lbs.	\$19.30
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☞ Samples of any or all sent upon request.

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A guaranteed item that is safe and easy to use, will not harm grass.

Simply light and insert in hole. It burns slowly and gives off gases deadly to all rodent pests.

No. I-137—Box of 1 doz. (wt., 1 lb.).....\$ 1.00  
 Carton of 6 dozen.....5.00

**—FOR RESALE—**

No. I-157c—Case of 1 gross.....8.00  
 3 cases.....23.10  
 6 cases.....45.00

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**FLORIST SUPPLY COMPANY**

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MENTION THE AMERICAN NURSERYMAN

**Schupp Specials****ROOTONE—Hormone Powder**

No. N-4—2-oz. jars (up to 3000 cuttings), each.....\$1.00  
 No. N-5—1-lb. jars (up to 30,000 cuttings), each.....5.00  
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 No. I-363—4-lb. bags, each.....\$0.60  
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**Tree Banding Compound—"STOP"**

A sticky tree banding compound for use on trees, shrubs and vines to prevent insects from crawling up to destroy foliage. Simplifies the spraying problem later. A gummy, sticky oil mass retaining stickiness over a long period. Easily removed from hands and tools with kerosene-soaked cloth.  
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**Micronized Form—For Dusting or Spraying**  
 No. I-121—4-lb. bags.....each \$ 2.25  
 No. I-122—50-lb. bags.....each 27.95

**SUBSURFACE IRRIGATORS—  
and ROOT FEEDERS**

Sturdily built for home and professional use. Feeds and irrigates at the same time. 1 Irrigator and 1 dozen of cartridges packed to a carton.

No. N-200—(wt. 2 lbs.), each.....\$ 4.98  
 3 for.....11.20  
 6 for.....20.90  
 Case of 12.....35.88

**— CARTRIDGE  
REFILLS —**

Packed 1 dozen to box, with analysis and instructions.

No. N-203—(wt. ½ lb.), box.....\$1.00  
 3 boxes.....2.25  
 6 boxes.....4.20  
 Case of 12.....7.20

☞ A descriptive circular will be mailed free upon request.



think this is true, try picking your way along a walk whose crevices are filled with plants growing six to eight inches high. Low-growing plants, it seems to me, are needed for this purpose, especially for the center of the walk, where traffic is heaviest. In addition to being low, the plants must be able to take a lot of punishment from the shoes, particularly high-heeled ones, which pass over them.

According to my experience, a good way to select plants for this purpose is to take a recommended list and in the light of experience or with the help of a good manual, pick out the ones, such as red or white creeping thyme, which will meet these requirements. It will not be necessary to expand further the subject of material, but this gives me an opportunity to recommend a little westerner, seldom seen in nurseries, which I found years ago to be useful for our present purpose. *Potentilla repens* has most of the required characteristics, including a stature of an inch, finely cut leaves which are ornamental throughout the year and a long season of production of small, yellow flowers. And to complete the picture of an ideal plant for the paved walk, it seems quite indifferent to abuse.

If the path passes through shade,

**Own a  
SOIL TEST LABORATORY  
Of Your Own**

**\$22.50**  
 express paid

**SUDBURY PORTABLE  
SOIL TEST LABORATORY**

The most valuable piece of equipment you can own, giving you the soil information that you need for efficient production. Widely used by estates, professional growers and government field stations. Will last almost a lifetime with refills. Comes in instrument-type chest. No chemistry knowledge required. Complete with instructions and helpful chart. **SEND NO MONEY.** Order C.O.D. \$22.50, plus express charges (or send \$22.50 and we pay express). Money back guarantee. Immediate delivery.

Dealers write for Special Offer.

**SUDBURY SOIL TEST LABORATORY**  
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**Rubber Budding Strips**

Gauge	Width	Length	Per lb.	Per lb.
.010	3/16-in.	4 ins.	50 lbs.	50 to 100 lbs.
			.....\$1.60	\$1.40
.020	3/16-in.	4 ins.	.....1.40	1.20

Write for prices on larger quantities.

**WAYNESBORO NURSERIES**  
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**Our  
First Postwar Shipment****CHINESE TONKIN CANES**

The nurserymen's favorite Bamboo Stakes.

5 ft., 5/8 to 3/4-in.,	Per bale
packed 250 per bale...	\$22.00
6 ft., 3/4 to 7/8-in.,	
packed 200 per bale...	21.00
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packed 150 per bale...	26.00

F.O.B. New York. Bale lots only. Write for special quantity discounts.

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**ALLEN'S "FERTO-POTS"**

Grow better vegetables, flowers, corms. Start in flats, then plant pot and all. **PLANT EATS POT.**

2½-inch pots.....	Box of 100	Box of 250
3-inch pots.....	\$2.75	\$5.00
	3.00	5.50

Write for literature and prices on our full line of Agricultural Chemicals. Dealers wanted.

**ALLEN CO., Pittstown, N. J.**

one is often at a loss to know what to use for crevice planting. Two or three sandworts are useful here, if they are hardy enough for your climate. The best one, *Arenaria balearica*, is definitely tender here, but would probably be hardy south of Chicago's latitude. Some years ago I received from the Gaspé peninsula a little plant, a shade-loving version of pussy's-toes, known to botanists as *Antennaria subviscosa*, which solved the problem better than any shade lover that I have ever seen for a walk that was not heavily trafficked. It possesses the desirable character of low stature (an inch or less), and in addition, its mat of silvery-white brightens up the shady spots where it is given a home.

#### **Campanula Carnica.**

Just a note to answer a recent inquiry about *Campanula carnica* which was misplaced before it could be answered.

The plant which one often sees in lists as *Campanula carnica* is, according to all that I have grown, merely a small version of the common harebell. If you have use for a 6-inch *C. rotundifolia*, this one will answer the purpose well. But it is no lovelier than the *rotundifolia* that you can find in the wild and no more difficult to grow.

#### **EAST TEXAS ROSE GROWERS HOLD FIRST 1947 MEETING.**

The East Texas Rose Growers' Association held its first meeting of the year, May 9, at the chamber of commerce, Tyler, with President Homer Eikner presiding.

Henry Bell, president of the Citizens' National bank and of the Tyler chamber of commerce, announced the first annual spring rose show to be held in the Citizens' National bank, June 3, which will be a holiday. Doors will be open to the public. Large display advertisements in Tyler and other east Texas newspapers will invite the public to view some 2,000 cut roses of about seventy varieties. Jesse D. Breedlove heads the association committee on arrangements. He will have the help of Mesdames Neil Harville, J. D. Breedlove, S. J. Hand, Homer Eikner, Clark Kidd, T. T. Fitzgerald, Pat Mackey, Jr.; R. F. Shelton and Ira Moore. Mrs. Ira P. Hildebrand, chairman of the duchess committee of the Texas rose festival, to be held at Tyler, October 2 to 6, invited the growers' association to select a duchess to represent nurserymen in all festival activities.

Jesse D. Breedlove, president of Texas Association of Nurserymen,

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Experienced florists who propagate everything from chrysanthemums to evergreens, realize that *no single-strength root-inducing powder can propagate efficiently over so broad a range.* That is why Hormodin Powder has been developed in *three* strengths to parallel the range of hormones in nature:

#### **HORMODIN POWDER No. 1**

The general-purpose powder—designed to root carnations, roses, and many other house, garden, and greenhouse plants.

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For propagating many woody and semi-woody types.

#### **HORMODIN POWDER No. 3**

For propagating many evergreens and dormant leafless cuttings.

#### **THE TREATMENT**

The treatment is simple. Moistened stems are dipped into Hormodin Powder, then placed in the usual propagating medium.

#### **THE COST**

The cost is small. For example: the one-pound tin of Hormodin Powder No. 1 (the general-purpose powder) costs only \$3.00. It is estimated that each ounce will treat about 2,500 cuttings of average size.

#### **THE RESULTS**



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**Be sure to ask your dealer for the  
HORMODIN POWDERS  
Best suited for your purpose**

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**Sphagnum Peat Moss** . . . . . acid pH 4.0

**Hypnum Peat Moss** . . . . . neutral 6.5 to 7.0

**Black Cultivated Peat** . . . . . neutral 6.5 to 7.0

We can furnish you quality peats for YOUR needs. . . . For general soil conditioning, planting, propagating, packing, mulching, top dressing and bulb storage.

**BUY CHEAPER, BUY IN BULK CAR LOTS. SOLD BY THE CUBIC YARD.** Write or wire for quotations.

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*New improved model*



Engineered for the perfection of soils.

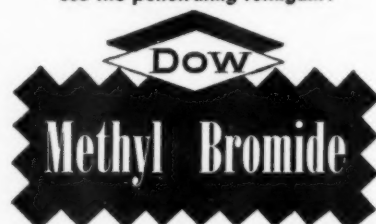
Prompt delivery.

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*Special equipment built to your specifications.*

#### **BETTER FUMIGATION**

*For quick, effective results use the penetrating fumigant!*



THE DOW CHEMICAL COMPANY  
MIDLAND, MICHIGAN



who had just returned from a meeting with other officers of the association at Galveston, outlined plans for the association convention at Hotel Galvez, Galveston, September 3 to 5.

T. T. Fitzgerald and C. J. Lauden headed a move to have the rose growers' group sponsor a float in the huge festival parade. The proposed float is to be built almost entirely of live flowers contributed by members and dedicated to the memory of Dr. J. C. Ratsek, the late Texas horticulturist, and to John Watkins and Henry Thompson, Tyler nurserymen who lost their lives in World War II.

The festival rose supply committee appointed by Clark Kidd, executive vice-president of the 1947 festival, includes the names of many of the eighty-six association members. Charles Eikner, of the Vermay Nursery, will act as general chairman of the rose supply committee and will coordinate the many tasks incidental to procuring and distributing 150,000 cut flowers.

#### TEXAS ROSE RESEARCH FOUNDATION MEETING.

The Texas Rose Research Foundation, Inc., held its annual meeting, May 2, in chamber of commerce conference room, Tyler. Secretary C. J. Lauden was directed by the president, Clark Kidd, to read the completed audit, which was afterward unanimously approved. A budget for the 1947-48 season was also approved.

On the invitation of President Kidd, Dr. E. W. Lyle, pathologist for the foundation, gave a comprehensive report of the foundation's activities since its inception a year ago. Dr. Lyle elaborated on the mimeographed report which had been sent to every member and, with the aid of prepared posters, gave the results of tests of fungicides, various dusts, fertilizers, specifying the time of cutting off, loss of weight on bushes after being dug and elapsed time before loading into carriers; the results of root growth on waxed and unwaxed bushes, and the results from four different temperature and humidity tests of the storage of rose bushes. Dr. Lyle's report was enthusiastically received by all, and it was the general opinion that his contribution to the Texas rose industry is invaluable.

The nominating committee, consisting of Howard W. Ford, chairman; Paul B. Brush, L. A. Brady, William Breedlove and Earl Ginn, submitted the following names for those to be elected as directors for the ensuing two years: S. J. Hand,

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This is the Sensational New Du Pont Dust Gun

Now available in Garden Dust, Rose Dust and 10% DDT.

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☐ 1947 Price Schedule

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C. J. Lauden, P. C. Moore, Jody Newton and Leroy Fortner. The five members were elected by acclamation.

All officers were reelected, as follows: Clark Kidd, president; Jesse Breedlove, vice-president; C. J. Lauden, secretary, and W. G. Atwood, treasurer.

#### EUBANK BROS. FEATURED.

An entire section of the Waxahachie Daily Light, Waxahachie, Tex., was devoted recently to stories on the opening of the new retail nursery and florists' store of Eubank Bros. Nursery Co., Waxahachie. Congratulatory advertisements from the city's leading businesses were featured in the 8-page section.

Interested in the nursery business since their childhood, Luther and Royal Eubank established their own nursery seventeen years ago, after extensive experience with other local firms. In addition to the florists' business, which was added in 1937, the nursery offers 500,000 plants for sale each year. The plants are marketed throughout the nation and in many foreign countries, according to W. M. Granberry, superintendent, who is in charge of production at the nursery.

Located at the intersection of two busy streets, the modern building is constructed of natural stone and has a full glass front. Neon lights spell out the name, Eubank Bros., Florists, and are shaped in a rose design. For the convenience of employees and customers, every known convenience was incorporated in the design of the new building. Open house was held May 3 and 4, upon completion of the structure, which climaxed an extensive building program that had been in progress several months.

H. C. BENCKHUYSEN, proprietor of the Homestead Nurseries, Boskoop, Holland, visited the United States last month on a business trip.

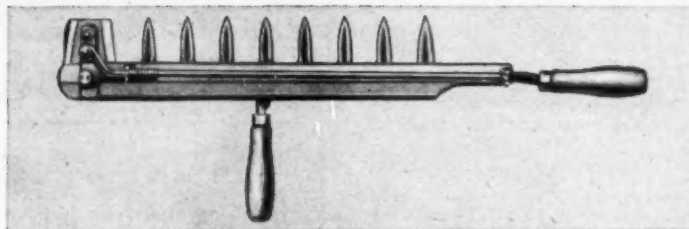
THE name of the Pecos Valley Nursery, Roswell, N. M., has been changed to Carpenter Nursery by Daniel E. Carpenter, proprietor.

RETTKE'S, a seed and nursery store owned by Reuben C. Rettke, has moved from a corner of South Saginaw and Water streets to 222 Harrison street, Flint, Mich.

FORMERLY located at 738 West Seven Mile road, Detroit, Mich., WhiteShowers, Inc., manufacturer of irrigation equipment, has moved to 17514 Woodward avenue, opposite Palmer park, one of Detroit's show places.

## Cyclone HEDGE TRIMMER

### Trims Hedges, Shrubs, Bushes



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CYCLONE HEDGE TRIMMER is in line against inflation . . . sharp price reduction effective immediately. This quality summer essential now \$7.75 F.O.B. Ayer.

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SELL HYPONEX to your customers. Nationally advertised.

1-oz. packet ..... 10¢—packed 71 to case—wt. 7 lbs.  
3-oz. can ..... 25¢—packed 36 to case—wt. 12 lbs.  
7-oz. can ..... 50¢—packed 23 to case—wt. 11 lbs.  
1-lb. can ..... \$1.00—packed 12 to case—wt. 16 lbs.  
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WARNING—Send in your order NOW to insure delivery.

A famous American nurseryman calls VITALOAM "black gold" and he recently flew from Virginia to Lancaster to compliment us personally on the creation of an outstanding product.

Use your letterhead and write for Wholesale Prices!

#### HOLLY SPECIES.

[Continued from page 11.]

enough to be judged, and I still do not have all the varieties. I shall, however, mention a few varieties that are, or will be, in the trade in the near future.

Varieties distributed by Mr. Dilatush include: Cardinal, from Massachusetts; Bountiful, from New Jersey; Merry Christmas, from the Catskill mountains; Old Heavy Berry, from Burlington, N. J., and Cape Cod (dwarf) and Bittersweet, from Massachusetts. Clark, Farage, Manig, Susan, Osa, Mae, Della and Griscom are distributed by Miss White, of Whitesbog, N. J.

St. Ann, Emily, St. Mary, Aalto, John Banks, Wheeler No. 4, Dorothy, Good Will Park and Carol come from Cape Cod, Mass.

Fallow, from South Carolina, is distributed by the United States Department of Agriculture, as are Brooks, from West Virginia, and Richards, from Ohio.

From North and South Carolina come Mrs. Vissage, El Durprey, Stumphouse, Norton No. 3 and Norton Bigleaf. Croonenberg is distributed by Mr. Thrasher. Arden and Mrs. Santa are from Nearing.

Florida is the source of a few, Howard, East Palatka, Taber Nos. 3

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Everybody likes them—and no wonder! They cut quick and sharp. They make work easy. Strong and durable. Long, narrow, "easy feel" hand grip for hard-to-get-at places. Safe: No pinched hands while using; hidden springs. Easy operating safety lock keeps closed when not in use. Steel blade holders; lock nut keeps blades in line; no spreading. Cutting blade, hardened, tempered, leaves perfect cut. Light weight (only 14 ounces).



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and 4, Hume Nos. 1 and 2 and Lake City Hybernia Bailey. I do not know where a few originated, such as Pitman, Joyce, Helen Makepeace and Natale. Hampton is from McDonald and Delia Bradley, from Henry Hohman.

We have two older varieties of *Ilex opaca*, *subintegra*, altogether spineless, and *xanthocarpa*, yellow-fruited, with a red cheek on the sunny side. Fallaw is also yellow-fruited, but the berries on this variety are bigger and altogether yellow, without the red cheek. There is a white variety in existence, too.

### Deciduous Hollies.

Although all the varieties described so far have been evergreens, there are also a few deciduous hollies, that drop their leaves in the fall. Naturally, these hollies are not really attractive before they shed their foliage, and that usually does not occur in our vicinity until after a light frost. That leaves only a short time to enjoy them, because after the temperature has dropped to below 20 degrees a few times, the berries turn black, and the beauty is gone. This does not mean that I should discourage anyone from growing these beautiful shrubs; on the contrary, we must enjoy the shrubs with a shorter season more intensely while we have them, and they are worth-while subjects.

The deciduous hollies sometimes go under the name *prinos*. *Ilex caroliniana*, or as it is often called, *ambigua*, is a tree or bush up to twenty feet high, which grows at the margin of sandy swamps from North Carolina to Texas. The berries are borne solitarily and are bright red, about one-quarter of an inch in diameter. *Ilex amelanchier* is also a large shrub or small tree that is sparsely distributed in the swamplands of North Carolina and Mississippi. It has large, oblong fruit resembling that of the shadblow (*amelanchier*), borne solitarily on a long stem. The seeds are strongly 3-ribbed on the backs, a sure way to identify this species.

There is another deciduous holly that inhabits the swamplands from Virginia south to Florida and west to Texas. It is a decidedly southern shrub, but it is perfectly happy at Elizabethtown. This shrub, *Ilex decidua*, grows to be a large bush, or in some instances a small tree, up to fifteen feet high, with small orange to scarlet berries, borne in the leaf axis. The staminate flowers are borne in clusters on a 1/2-inch stem.

*I. glabra*, the inkberry, might just as well have been classed with the

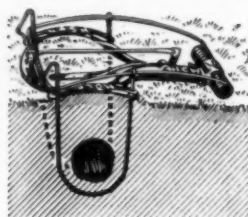
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through this ad in American Nurseryman. Last spring and summer I was bothered with moles which destroyed over 100 young evergreens. I tried poison, and some traps—no results. I saw this ad, purchased one dozen traps. In less than two weeks I caught 10 moles, and the rest shortly after. These traps will last a lifetime, have a double action spring and need no bait... I would like to see this published as it helps honest advertisers to dispose of quality goods."

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## CHOKER LOOP TRAPS

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And Most Sucking Insects on Evergreens and Ornamentals

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CAT.	Size in inches	Weight Per 1000
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M-392; holds twelve 2 1/2-inch Bands. 3.75  
M-393; holds six 3-inch Bands. 3.55  
M-394; holds six 4-inch Bands. 3.95

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Each .....\$0.75 Dozen .....\$7.50

evergreen hollies in our climate, but farther north it loses its leaves and becomes deciduous. It ranges from Massachusetts through Pennsylvania to Florida and Louisiana and grows in sandy soils at the margins of woods. It is the most dwarf-growing of these hollies, its ultimate height being four feet. The flowers are small and greenish-white, the staminate in clusters, the pistillate usually solitary. The fruit is black and about the size of a small pea. *Ilex glabra* is a good subject.

*Ilex laevigata*, the smooth winterberry, is a large shrub, growing six to ten feet high. It closely resembles the *verticillata*, from which it is distinguished by its orange-scarlet fruit on longer pedicels (berry stems). *I. laevigata* is found in wet places from Maine to Pennsylvania and from Georgia to Kentucky. It is a good plant for common use.

### *Ilex Verticillata.*

The most common of the deciduous hollies with us is, of course, the *Ilex verticillata*, the common winterberry, or as it is also called, the black alder. It grows naturally in lowlands from Nova Scotia to Florida and west from Wisconsin to Missouri. This shrub is of spreading habit, eight to ten feet high, but it varies

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a lot in height, shape, fruiting habits and form of leaves. The flowers are whitish, the male flowers being borne eight to ten together, the females often two together, but sometimes solitary. The berries are bright red, one-quarter of an inch in diameter. These berries will stand more frost than some of the other species, and the shrub in full berry is really an impressive sight. It is a good plant to use at the edge of a lake or stream, where it will spread and make bold clumps.

We have one variety of *Ilex verticillata* with yellow fruit, *chrysocarpa*, and one with bigger berries produced in abundance, *Ilex verticillata polycarpa*. Both varieties are good, and the last one is a distinct improvement on the species.

One deciduous *ilex* that is much smaller and very twiggy is *Ilex serrata*, or as it sometimes is called, *Ilex sieboldi*. It is a native of Japan, and when in full fruit, it is very ornamental. For the rest of the year, however, it is an ordinary-looking bush and there is nothing at all attractive about it. One drawback about this species is that the berries stand little frost before turning black, and that makes it less valuable than, for instance, *verticillata* or *laevigata*. If you have a male plant close to the fruiting plant you will be well repaid, because it will bear its fruit in such an abundance that the whole bush will be aglow. Even if it is not so good as some of the others, it is still worth a place in the larger garden or in a botanical collection.

*Ilex geniculata* is a slender, branched shrub with slightly smaller berries than those of *verticillata*, on long pendulous stems. I have had it only a few years and have not yet seen it in full berry, but it is said to be an attractive subject. It hails from Japan and was introduced to this country in 1894.

Another one similar to *verticillata* but with bigger berries is the species *Ilex montana*, or as it is also called, *monticola*. It is native from New York to South Carolina and west to Alabama.

There may be some other hollies I should have mentioned, but I have written mostly about species and varieties we are growing at the Masonic homes at Elizabethtown, Pa. So it is not by any means an exhaustive study of the genus *ilex*, and it should not be accepted as such.

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# A. A. N. PRE-CONVENTION NUMBER

## AMERICAN NURSERYMAN

### July 15, 1947

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